## PMN/SNUN/MCAN/TMEA Submissions Received under TSCA June, 2022

| Case No.    | Version | Received<br>Date | Manufacturer              | Use  | Chemical Substance  |
|-------------|---------|------------------|---------------------------|--|---|
| SN-19-0004A | 4       | 06/04/2019       | СВІ                       | (S) A lubricating agent used<br>in the production of<br>automotive disc brakes | (G) Pitch coke  |
| SN-19-0005A | 2       | 05/28/2019       | Molecular<br>Rebar Design | (G) Conductive ink   | (S) Functionalized multiwall carbon nanotubes   |
| P-16-0442A  | 4       | 06/26/2019       | СВІ                       | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, polymers with disubstituted ar<br>alkanediol, substituted alkylpropanoic acid, alkanedioic acid and<br>substituted isocyanatocycloalkane, compds with alkylamine   |
| P-16-0443A  | 4       | 06/26/2019       | СВІ                       | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, hydrogenated polymers with disubstituted amine, alkanediol, substituted alkylpropanoic acid, alkanedioic acid and substituted isocyanatocycloalkane, compds alkylamine   |
| P-16-0444A  | 4       | 06/26/2019       | CBI                       | (G) Polymer for coatings   | (G) Amine salted polyurethane   |
| P-16-0445A  | 4       | 06/26/2019       | СВІ                       | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, hydrogenated polymers with<br>substituted alkanediamine, alkanediol, substituted alkylpropanoic<br>alkanedioic acid and substituted isocyanatocycloalkane, compds<br>alkylamine  |
| P-17-0007A  | 5       | 06/13/2019       | CBI                       | (S) Intermediate   | (G) Dialkyl 7,10-dioxa, dithiahexadeca diene  |
| P-17-0239A  | 6       | 06/11/2019       | СВІ                       | (G) Adhesive for open non-<br>descriptive use                                  | (G) Substituted carboxylic acid, polymer with 2,4-diisocyanato-<br>1-methylbenzene, hexanedioic acid, alpha-hydro-omega-<br>hydroxypoly[oxy(methyl-1,2-ethanediyl)], 1,1'-methylenebis[4-<br>isocyanatobenzene], 2,2'-oxybis[ethanol], 1,1'-oxybis[2-propanol]<br>1,2-propanediol |
| P-17-0299A  | 3       | 06/06/2019       | СВІ                       | (G) Paint additive   | (G) 2-Propenoic acid, alkyl -, polymers with alkyl acrylate and polyethylene glycol methacrylate alkyl ether  |
| P-17-0345A  | 2       | 06/07/2019       | CBI                       | (G) Resin intermediate   | (G) Polyurethane, methacrylate blocked  |
| P-17-0389A  | 6       | 06/24/2019       | CBI                       | (G) Polymer precursor  | (G) Alkyl oil, polymer with 1,4-cyclohexanedimethanol, dehydra<br>Alkyl oil, hydrogentated rosin, phthalic anhydride and  |

|            |   |            |                           |   | trimethylolpropane  |
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| P-18-0009A | 5 | 06/24/2019 | CBI                       | (G) Lubricant additive  | (G) Phosphonic acid, dimethyl ester, polymer with alkyl diols   |
| P-18-0044A | 3 | 06/24/2019 | CBI                       | (G) Intermediate species  | (G) Fatty acids   |
| P-18-0045A | 3 | 06/24/2019 | CBI                       | (G) Application coating   | (G) Fatty acids, alkyl esters   |
| P-18-0050  | 1 | 11/16/2017 | СВІ                       | (G) Raw material in industrial coatings   | (G) Alkane, diisocyanato-, homopolymer, alkyl dihydrogen phos<br>and polyalkylene glycol mono-alkyl ether-  |
| P-18-0061A | 3 | 06/24/2019 | СВІ                       | (G) Industrial coating<br>hardners  | (G) Alkyl methacrylates, polymer with alkyl acrylates, styrene<br>hydroxyalkyl acrylates, novalac epoxy and epoxy modified acryl<br>with organic amines                                     |
| P-18-0078A | 4 | 06/26/2019 | СВІ                       | (G) Paint   | (G) 2-Alkenoic acid, 2-alkyl-, 2-alkyl ester, polymer with alkyl<br>2-alkenoate, 2-substitutedalkyl 2-alkenoate and 2-substitutedalky<br>2-alkyl-2-alkenoate, tert alkylperoxoate initiated |
| P-18-0122A | 6 | 06/04/2019 | Polymer<br>Ventures, Inc. | (G) Paper additive  | (G) Alkylamide, polymer with alkylamine, formaldehyde, and polycyanamide, alkyl acid salt.  |
| P-18-0125A | 2 | 06/18/2019 | NOLTEX<br>L.L.C.          | (G) Reagent in coating material   | (G) Oxoalkylcarboxylic acid, sodium salt  |
| P-18-0197A | 2 | 06/21/2019 | СВІ                       | (G) Polymer composite<br>additive   | (G) Metal, alkylcarboxylate oxo complexes   |
| P-18-0207A | 3 | 06/21/2019 | СВІ                       | (G) Polymer composite<br>additive   | (G) Metal, oxo alkylcarboxylate complexes   |
| P-18-0239A | 3 | 06/26/2019 | CBI                       | (G) Reactant in coating   | (G) N-alkyl propanamide   |
| P-18-0240A | 3 | 06/26/2019 | CBI                       | (G) Reactant in coating   | (G) N-alkyl acetamide   |
| P-18-0260A | 4 | 06/04/2019 | Allnex USA<br>Inc.        | (S) Binder for wood stains  | (G) Fatty acids, polymers with alkanoic acid and substituted carbomonocycle, peroxide-initiated, polymers with alkanoic acid esters and substituted carbomonocycle, ammonium salts          |
| P-18-0263A | 2 | 06/17/2019 | СВІ                       | (G) Solution additive   | (G) Mixed alkyl esters-, polymer with N1-(2-aminoethyl)- 1,2-<br>ethanediamine, aziridine, N-acetyl derivs., acetates (salts)   |
| P-18-0263A | 3 | 06/26/2019 | СВІ                       | (G) Solution additive   | (G) Mixed alkyl esters-, polymer with N1-(2-aminoethyl)- 1,2-<br>ethanediamine, aziridine, N-acetyl derivs., acetates (salts)   |
| P-18-0274A | 6 | 06/19/2019 | CBI                       | (S) Chemical Intermediate   | (G) Heterocycle fluoroalkyl sulfonyl  |
| P-18-0274A | 6 | 06/19/2019 | CBI                       | (G) Additive  | (G) Heterocycle fluoroalkyl sulfonyl  |
| P-18-0295  | 1 | 08/30/2018 | СВІ                       | (S) Use as an ingredient in<br>the manufacture of consumer<br>cleaning products. In these | (S) 1,3-Butanediol, (3R)-   |

|            |   |            |                          | products, the notified<br>chemical is not destroyed nor<br>further reacted.  |  |
|------------|---|------------|--------------------------|--|--|
| P-18-0295  | 1 | 08/30/2018 | CBI                      | (S) Use as monomer in the<br>manufacture of resins for use<br>in paint and coating products.<br>Notified substance will not be<br>present in the cured coating.  | (S) 1,3-Butanediol, (3R)-  |
| P-18-0295  | 1 | 08/30/2018 |                          | (S) Use as a monomer in the<br>manufacture of plastic<br>products. In this process the<br>notified substance is reacted<br>with one or more other<br>compounds to become part of<br>a polymer. Depending on the<br>reactants involved, the final<br>polymer can be a resin used<br>to make molded plastic<br>products or the final polymer<br>can be a shorter polymer used<br>as a plasticizer. | (S) 1,3-Butanediol, (3R)-  |
| P-18-0323A | 3 | 06/18/2019 | Kuraray<br>America, Inc. | (G) Raw material for polymer manufacturing   | (S) 2-Propenoic acid, 2-methyl-, 3-methyl-3-buten-1-yl ester   |
| P-18-0372A | 4 | 06/11/2019 | Hexion Inc               | (G) Polyol.  | (G) Formaldehyde, polymer with phenol and heteroatom-substitu heteromonocycle, reaction products with 1,3-dioxolan-2-one and 4-methyl-1,3-dioxolan-2-one       |
| P-18-0372A | 4 | 06/11/2019 | Hexion Inc               | (S) Reactive modifier for<br>Carbon, Fiber bonding,<br>Friction, Coated abrasives,<br>Glass Inserts, Refractory, and<br>Bonded abrasives.  | (G) Formaldehyde, polymer with phenol and heteroatom-substitu<br>heteromonocycle, reaction products with 1,3-dioxolan-2-one and<br>4-methyl-1,3-dioxolan-2-one |
| P-18-0372A | 4 | 06/11/2019 | Hexion Inc               | (S) Reactive polyol for<br>Sealants, Adhesives, 1 part<br>coatings, 2 part coatings, and<br>composites.  | (G) Formaldehyde, polymer with phenol and heteroatom-substitu<br>heteromonocycle, reaction products with 1,3-dioxolan-2-one and<br>4-methyl-1,3-dioxolan-2-one |

| P-18-0372A | 3 | 05/31/2019 | Hexion Inc                                  | (G) Polyol.  | (G) Formaldehyde, polymer with phenol and heteroatom-substitu<br>heteromonocycle, reaction products with 1,3-dioxolan-2-one and<br>4-methyl-1,3-dioxolan-2-one  |
|------------|---|------------|---|--|---|
| P-18-0372A | 3 | 05/31/2019 | Hexion Inc                                  | (S) Reactive modifier for<br>Carbon, Fiber bonding,<br>Friction, Coated abrasives,<br>Glass Inserts, Refractory, and<br>Bonded abrasives.  | (G) Formaldehyde, polymer with phenol and heteroatom-substitu<br>heteromonocycle, reaction products with 1,3-dioxolan-2-one and<br>4-methyl-1,3-dioxolan-2-one  |
| P-18-0372A | 3 | 05/31/2019 | Hexion Inc                                  | (S) Reactive polyol for<br>Sealants, Adhesives, 1 part<br>coatings, 2 part coatings, and<br>composites.  | (G) Formaldehyde, polymer with phenol and heteroatom-substitu<br>heteromonocycle, reaction products with 1,3-dioxolan-2-one and<br>4-methyl-1,3-dioxolan-2-one  |
| P-18-0373A | 4 | 06/11/2019 | Hexion Inc                                  | (G) Polyol   | (G) Formaldehyde, polymer with 2-methyloxirane, oxirane, phen<br>and heteroatom-substituted heteromonocycle   |
| P-18-0373A | 3 | 05/31/2019 | Hexion Inc                                  | (G) Polyol   | (G) Formaldehyde, polymer with 2-methyloxirane, oxirane, phen<br>and heteroatom-substituted heteromonocycle   |
| P-19-0021A | 3 | 06/26/2019 | CBI   | (G) Pigment ink  | (G) Hydroxyalkyl carboxylic acid, polymer with alkylamine, alky carbonate, alkanediol, isocyanate, compd. with alkylamine   |
| P-19-0022A | 3 | 06/26/2019 | CBI   | (G) Pigment ink  | (G) Hydroxyalkyl carboxylic acid, polymer with alkylamine, alky carbonate, alkanediol, isocyanate, compd. with alkylamine   |
| P-19-0024A | 4 | 06/12/2019 | Sales and<br>Distribution<br>Services, Inc. | (S) Hot Mix Asphalt<br>Application: The PMN<br>compound will be used as<br>asphalt additive for hot mix<br>(HMA) as well as cold mix<br>(CMA) asphalt applications.<br>The PMN substance<br>chemically reacts with the<br>surface of the aggregate and<br>changes surface<br>characteristics of aggregate<br>from hydrophilic to<br>hydrophobic. This change<br>provides stronger bonding<br>between asphalt and<br>aggregates and reduces the | (S) 1-Octadecanaminium, N,N-dimethyl-<br>N-[3-(trimethoxysilyl)propyl]-, chloride (1:1), reaction products<br>water, Trimethoxy(propyl) silane, Trimethoxy(methyl)silane,<br>Tetraethyl orthosilicate and ethane-1,2-diol |

| P-19-0024A | 4 | 06/12/2019 | Sales and<br>Distribution<br>Services, Inc. | potential for stripping away<br>asphalt binder from an<br>aggregate due to water.<br>(S) Waterproofing<br>Application: The PMN<br>substance is expected to be<br>used in waterproofing of<br>building materials, including<br>cementitious material,<br>masonry, concrete, plaster,<br>bricks, etc. It is initially<br>intended to be used at a<br>maximum of 5 sites by<br>trained commercial<br>applicators. The PMN<br>substance is modification of a<br>quaternary silane compound<br>by a hydrolysis reaction with<br>other silanes to make it an<br>oligomeric compound. These<br>quaternary silane products<br>have been manufactured and<br>marketed for waterproofing<br>uses for over 35 years. The<br>solution of PMN substance in<br>water is applied as a<br>waterproofing sealer for<br>building materials by spray<br>application.,(S) Asphalt<br>Emulsion Application: The<br>PMN substance is water<br>soluble and can be used as an<br>asphalt emulsion in road<br>construction. This additive<br>provides better bonding with<br>ground surface, quick drying<br>and reduced tire pickup of the<br>asphalt emulsion by | (S) 1-Octadecanaminium, N,N-dimethyl-<br>N-[3-(trimethoxysilyl)propyl]-, chloride (1:1) , reaction products<br>water, Trimethoxy(propyl) silane, Trimethoxy(methyl)silane,<br>Tetraethyl orthosilicate and ethane-1,2-diol |
|------------|---|------------|---|---|--|
|------------|---|------------|---|---|--|

|            |   |            |                                   | application equipment.  |  |
|------------|---|------------|-----------------------------------|---|--|
| P-19-0031A | 8 | 06/19/2019 | СВІ                               | (S) Curing agent for epoxy coating systems  | (G) Phenol, 4,4'-(1-methylethylidene)bis-, polymer with<br>formaldehyde, 2-(chloromethyl)oxirane, alpha-hydro-omega-<br>hydroxypoly(oxy-1,2-ethanediyl), and polyamines                          |
| P-19-0051A | 5 | 06/21/2019 | СВІ                               | (G) UV curable inks   | (G) 1,3-Propanediamine, N1,N1-dimethyl-, polymers with alkyle<br>glycol ether with alkyltriol (3:1) mixed acrylates and adipates, ar<br>alkylene glycol monoacrylate ether with alkyltriol (3:1) |
| P-19-0053A | 5 | 06/25/2019 | Wacker<br>Chemical<br>Corporation | (S) Used as a surface<br>treatment, sealant, caulk, and<br>coating for mineral building<br>materials such as concrete,<br>brick, limestone, and plaster,<br>as well as on wood, metal and<br>other substrates.<br>Formulations containing the<br>cross-linker provide release<br>and anti-graffiti properties,<br>water repellency, weather<br>proofing, and improved<br>bonding in adhesive/sealant<br>applications. The new<br>substance is a moisture curing<br>cross-linking agent which<br>binds/joins polymers together<br>when cured. Ethanol is<br>released during cure, and<br>once the cure reaction is<br>complete, the product will<br>remain bound in the cured<br>polymer matrix. | (S) 1-Butanamine, N-butyl-N-[(triethoxysilyl)methyl]-  |
| P-19-0071A | 3 | 06/11/2019 | CBI                               | (G) Physical property<br>modifier for polymers  | (G) Trimethylolpropane, alkenoic acid, triester  |
| P-19-0075A | 3 | 05/30/2019 | Allnex USA<br>Inc.                | (S) The PMN substance is an intermediate incorporated as a component in VIACRYL SC 6841.  | (G) Alkenoic acid, alkyl-, (alkylamino)alkyl ester, polymer with substituted carbomonocycle, substituted-[alkanenitrile]-initiated, formates   |

| P-19-0082A | 3 | 06/20/2019 | Bedoukian<br>Research Inc. | (S) Fragrance uses per<br>FFDCA: fine fragrance,<br>creams, lotions, etc.,<br>Fragrance uses per TSCA:<br>scented papers, candles,<br>detergents, cleaners, etc. | (S) Heptanal, 6-hydroxy-2,6-dimethyl-   |
|------------|---|------------|----------------------------|--|---|
| P-19-0086A | 3 | 05/31/2019 | СВІ                        | (G) Monitor oil and gas well performance   | (G) Halogenated sodium alkylbenzoate  |
| P-19-0087A | 3 | 05/31/2019 | СВІ                        | (G) Monitor oil and gas well performance   | (G) Halogenated sodium alkylbenzoate  |
| P-19-0089A | 5 | 06/04/2019 | CBI                        | (G) Well performance tracer  | (G) Halogenated sodium alkylbenzoate  |
| P-19-0090A | 3 | 06/04/2019 | CBI                        | (G) Well performance tracer  | (G) Halogenated sodium benzoate   |
| P-19-0091A | 3 | 06/04/2019 | CBI                        | (G) Well performance tracer  | (G) Halogenated alkylbenzoic acid   |
| P-19-0092A | 2 | 06/04/2019 | СВІ                        | (G) Tracer of well<br>performance  | (G) Halogenated alkylbenzoic acid   |
| P-19-0093A | 3 | 06/04/2019 | СВІ                        | (G) Tracer for well performance  | (G) Halogenated benzoic acid  |
| P-19-0095  | 3 | 06/04/2019 | CBI                        | (G) Consumer Disposables,<br>Polymer Sheet, and Durable<br>Goods   | (G) Poly hydroxy alkanoate  |
| P-19-0096  | 1 | 05/31/2019 | СВІ                        | (G) Additive for plastics industry   | (G) Benzofuranone, bis(branched alkyl)-[dialkyl[tetrakis(branche alkyl)-alkyl-dibenzo-substitutedphosphite-yl] phenyl]- |
| P-19-0097  | 3 | 06/10/2019 | СВІ                        | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0098  | 1 | 06/04/2019 | Clariant<br>Corporation    | (S) Flame retardant additive for intumescent coatings.   | (G) Phosphoric acid, polymer with (hydroxyalkyl)-alkanediol and alkanediol  |
| P-19-0100  | 5 | 06/14/2019 | СВІ                        | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0101  | 4 | 06/14/2019 | СВІ                        | (G) Monitor well<br>performance  | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0102  | 3 | 06/14/2019 | СВІ                        | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0103  | 2 | 06/14/2019 | СВІ                        | (G) Well performance monitor   | (G) Halogenated alkyl benzoic acid  |

| P-19-0104 | 4 | 06/14/2019 | СВІ                                  | (G) Well performance<br>monitor  | (G) Halogenated alkylbenzoic acid, ethyl ester   |
|-----------|---|------------|--------------------------------------|--|--|
| P-19-0105 | 3 | 06/14/2019 | СВІ                                  | (G) Well performance monitor   | (G) Halogenated benzoic acid, ethyl ester  |
| P-19-0106 | 3 | 06/14/2019 | СВІ                                  | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester   |
| P-19-0107 | 3 | 06/14/2019 | СВІ                                  | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester   |
| P-19-0108 | 3 | 06/14/2019 | СВІ                                  | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester   |
| P-19-0109 | 1 | 06/07/2019 | Arch<br>Chemicals,<br>Inc.           | (S) Chemical is used as a<br>component of a hoof cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the hoof | (S) Copper ethanolamine complex, mixed   |
| P-19-0110 | 3 | 06/14/2019 | СВІ                                  | (G) Well performance monitor   | (G) Halogenated benzoic acid, ethyl ester  |
| P-19-0112 | 1 | 06/12/2019 | Shin-ETSU<br>Microsi                 | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Substituted heterocyclic onium compound, salt with<br>1-(difluorosulfomethyl)-2,2,2-trifluoroethyl 3-[(2-methyl-1-oxo-<br>2-propen-1-yl)oxy]tricyclo[3.3.1.13,7]decane-1-carboxylate (1:1)<br>polymer with 3-etheylphenol, 1-(1-methylethyl)cyclopentyl 2-me<br>2-propenoate and 1-(7-oxabicyclo[2.2.1]hept-2-yl)cyclopentyl<br>2-methyl-2-propenoate, di-Me 2,2'-(1,2-diazenediyl)bis[2-<br>methylpropenoate]-initiated |
| P-19-0113 | 2 | 06/13/2019 | CBI                                  | (G) Flow cell additive   | (G) Metal oxide-chloro   |
| P-19-0114 | 1 | 06/17/2019 | Shin-ETSU<br>Microsi                 | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Sulfonium, triphenyl-, trifluoro-hydroxy-<br>(triheterosubstitutedalkyl)alkanoate (1:1)  |
| P-19-0115 | 1 | 06/17/2019 | Tokyo Ohka<br>Kogyo<br>America, Inc. | (G) An ingredient used in the manufacture of photoresist   | (G) Sulfonium, bis(dihalocarbomonocycle) carbomonocycle, substituted carbomonocyclic ester   |
| P-19-0117 | 2 | 06/21/2019 | CBI                                  | (G) Additive   | (G) Polycyclic amine, reaction products with polyalkylalkene, polymers   |

| P-19-0118  | 1 | 06/21/2019 | CBI        | (G) Component of lubricant   | (G) Substituted polyalkylenepoly, reaction products with alkene polymer   |
|------------|---|------------|------------|--|---|
| P-19-0119  | 1 | 06/24/2019 | Zschimmer& | (S) Foaming additive used in<br>building/construction,<br>exposure would only occur<br>during loading of finished<br>product. Product application<br>is used in a closed system<br>with very low possibility for<br>exposure. To be used on<br>construction sites. | (S) Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C9-1<br>branched alkyl ethers, sodium salts   |
| P-19-0119  | 1 | 06/24/2019 | Schwarz    | (S) Foaming additive used in<br>building/construction,<br>exposure would only occur<br>during loading of finished<br>product. Product application<br>is used in a closed system<br>with very low possibility for<br>exposure. To be used on<br>construction sites. | (S) Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C9-1<br>branched alkyl ethers, sodium salts   |
| P-19-0120  | 1 | 06/25/2019 | CBI        | (G) Component of ink   | (G) Alkenoic acid, polymer with alkanediyl bis substituted alkyle<br>bis heteromonocycle, substituted carbomonocycle and (alkylalker<br>carbomonocycle, alkali metal salt |
| J-19-0024  | 1 | 06/28/2019 | СВІ        | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable.  |
| J-19-0025  | 1 | 06/28/2019 | CBI        | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable.  |
| P-16-0354A | 4 | 07/08/2019 | CBI        | (G) Intermediate   | (G) Esteramine.   |
| P-16-0354A | 5 | 07/09/2019 | CBI        | (G) Intermediate   | (G) Esteramine.   |
| P-16-0355A | 4 | 07/08/2019 | CBI        | (G) Intermediate   | (G) Esteramine.   |
| P-16-0355A | 5 | 07/09/2019 | CBI        | (G) Intermediate   | (G) Esteramine.   |
| P-17-0003A | 9 | 06/25/2019 | CBI        | (G) Printing ink applications  | (G) Styrene(ated) copolymer with alkyl(meth)acrylate, and (meth)acrylic acid.   |
| P-17-0346A | 6 | 07/02/2019 | CBI        | (G) Destructive use  | (G) triarylalkyl phosphonium halide salt.   |
| P-17-0346A | 7 | 07/08/2019 | CBI        | (G) Destructive use  | (G) triarylalkyl phosphonium halide salt.   |

| P-17-0375A | 5  | 06/30/2019 | CBI                       | (G) Paint additive                                 | (G) 2-Oxepanone, polymer with diisocyanatohexane, alkyl-<br>((hydroxyalkyl)-alkanediol and isocyanato-(isocyanatoalkyl)-<br>trialkylcyclohexane, di-alkyl malonate- and polyalkylene glycol r<br>Me ether-blocked, reaction products with (methylalkyl)-propanan |
|------------|----|------------|---------------------------|--|--|
| P-17-0383A | 2  | 07/17/2019 | Toagosei<br>America, Inc. | (G) Binder   | (G) Alkenoic acid, polymer will ammonium alkenoate (1:1) and polyalkylenediol diacrylate.  |
| P-17-0387A | 5  | 07/08/2019 | СВІ                       | (G) Paint  | (G) Dicarboxylic acids, polymers with alkanoic acid, alkanediol, susbtituted-alkylalkanoic acid, substituted alkyl carbomonocyle, alkanedioic acid and alkanediol, alkanolamine blocked, compds v alkanolamine.  |
| P-17-0388A | 5  | 07/08/2019 | СВІ                       | (G) Paint  | (G) Dicarboxylic acids, polymers with alkanoic acid, alkanediol, susbtituted-alkylalkanoic acid, substituted alkyl carbomonocyle, alkanedioic acid and alkanediol, alkanolamine blocked, compds v alkanolamine.  |
| P-17-0398A | 12 | 06/28/2019 | Nexus Fuels               | (G) Component of complex formulations for blending | (G) Branched Cyclic and Linear Hydrocarbons from Plastic Depolymerization.   |
| P-17-0399A | 12 | 06/28/2019 | Nexus Fuels               | (G) Stock use                                      | (G) Alkane, Alkene, Styrenic Compounds Derived from Plastic Depolymerization.  |
| P-17-0400A | 6  | 07/08/2019 | СВІ                       | (G) Rubber products                                | (G) Terpolymer of Vinylidene fluoride, Tetrafluoroethylene and 2,3,3,3-Tetrafluoropropene.   |
| P-17-0404A | 2  | 07/17/2019 | Arlanxeo                  | (G) Intermediate completely used on site           | (G) Nitrile-butadiene-acrylate-terpolymers.  |
| P-17-0405A | 4  | 07/03/2019 | CBI                       | (G) Oil and gas well performance                   | (G) halogenated benzoic acid ethyl ester.  |
| P-17-0406A | 4  | 07/03/2019 | СВІ                       | (G) Oil and gas well performance                   | (G) halogenated benzoic acid ethyl ester.  |
| P-17-0407A | 3  | 07/03/2019 | CBI                       | (G) Well performance                               | (G) halogenated benzoic acid ethyl ester.  |
| P-17-0408A | 2  | 07/03/2019 | CBI                       | (G) Well performance                               | (G) halogenated benzoic acid ethyl ester.  |
| P-17-0409A | 3  | 07/03/2019 | CBI                       | (G) Monitor well<br>performance                    | (G) halogenated benzoic acid ethyl ester.  |
| P-17-0409A | 2  | 06/27/2019 | СВІ                       | (G) Monitor well<br>performance                    | (G) halogenated benzoic acid ethyl ester.  |
| P-17-0410A | 2  | 07/03/2019 | СВІ                       | (G) Monitor well<br>performance                    | (G) halogenated benzoic acid ethyl ester.  |

| P-17-0411A | 2 | 07/03/2019 | CBI | (G) Monitor well<br>performance | (G) halogenated benzoic acid ethyl ester. |
|------------|---|------------|-----|---------------------------------|---|
| P-17-0412A | 2 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid ethyl ester. |
| P-17-0414A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0415A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0416A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0417A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0418A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0420A | 4 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0421A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0422A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid.             |
| P-17-0423A | 2 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated benzoic acid ethyl ester. |
| P-17-0441A | 2 | 06/28/2019 | СВІ | (G) Monitor well performance    | (G) halogenated sodium benzoate.          |
| P-17-0442A | 2 | 07/02/2019 | CBI | (G) Monitor well<br>performance | (G) halogenated sodium benzoate.          |
| P-17-0443A | 3 | 07/02/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated sodium benzoate.          |
| P-17-0444A | 2 | 07/02/2019 | CBI | (G) Monitor well<br>performance | (G) halogenated sodium benzoate.          |
| P-17-0445A | 3 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated sodium benzoate.          |
| P-17-0446A | 2 | 07/03/2019 | СВІ | (G) Monitor well<br>performance | (G) halogenated sodium benzoate.          |

|            |    |            |                          | (G) Monitor well   | ,   |
|------------|----|------------|--------------------------|--|---|
| P-17-0447A | 2  | 06/27/2019 | CBI                      | performance  | (G) halogenated sodium benzoate.  |
| P-17-0447A | 3  | 07/03/2019 | CBI                      | (G) Monitor well<br>performance                          | (G) halogenated sodium benzoate.  |
| P-17-0448A | 2  | 07/03/2019 | СВІ                      | (G) Monitor well performance                             | (G) halogenated sodium benzoate.  |
| P-17-0449A | 2  | 07/03/2019 | СВІ                      | (G) Monitor well<br>performance                          | (G) halogenated sodium benzoate.  |
| P-17-0450A | 2  | 07/03/2019 | СВІ                      | (G) Monitor well<br>performance                          | (G) Halogenated benzoic acid.   |
| P-18-0001A | 11 | 06/27/2019 | Nexus Fuels              | (G) Additive   | (G) Carbon compound derived from plastic depolymerization.  |
| P-18-0003A | 5  | 06/27/2019 | ETNA<br>Products, Inc    | (S) Lubricant for metal working applications             | (G) fatty acids, diesters with dihydroxyalkane, Fatty acids, esters dihydroxyalkane.  |
| P-18-0009A | 6  | 07/22/2019 | CBI                      | (G) Lubricant additive                                   | (G) Phosphonic acid, dimethyl ester, polymer with alkyl diols.  |
| P-18-0012A | 4  | 07/12/2019 | CBI                      | (G) Adhesives  | (G) Polyester polyol.   |
| P-18-0028A | 6  | 06/28/2019 | Nexus Fuels              | (G) Feedstock, blending                                  | (G) Branched cyclic and linear hydrocarbons from plastic depolymerization.  |
| P-18-0028A | 7  | 07/02/2019 | Nexus Fuels              | (G) Feedstock, blending                                  | (G) Branched cyclic and linear hydrocarbons from plastic depolymerization.  |
| P-18-0121A | 2  | 07/29/2019 | Kyodo Yushi<br>USA, Inc. | (G) Additive for Lubricating Grease                      | (S) Benzene, 1,1'-oxybis-, branched eicosyl derivs.   |
| P-18-0150A | 4  | 07/18/2019 | СВІ                      | (G) Component of an industrial coating                   | (G) Tertiary amine, compounds with amino sulfonic acid blocked aliphatic isocyanate homopolymer.  |
| P-18-0165  | 5  | 07/17/2019 | Cabot<br>Corporation     | (S) Chemical intermediate                                | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-substituted butyl amide, sodium salts.   |
| P-18-0166  | 5  | 07/17/2019 | Cabot<br>Corporation     | (S) Chemical Intermediate                                | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl [3-[2-[1- [ [(2-methoxyphenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]substituted, sodium salts. |
| P-18-0167A | 3  | 07/17/2019 | Cabot<br>Corporation     | (S) Chemical intermediate                                | (G) Butanamide, 2-[2-[(substitutued phenyl)diazenyl]-N-(2-methoxyphenyl)-3-oxo  |
| P-18-0175A | 7  | 07/29/2019 | Hexion, Inc              | (S) Food can coating and<br>Non-food contact can coating | (S) Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol and phenol, Bu ether.  |
| P-18-0190  | 2  | 07/17/2019 | Cabot<br>Corporation     | (S) Pigment Dispersing Aid                               | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl amide, polymers with epichlorohydrin and   |

|            |   |            |                         |  | trimethylolpropane, sodium salts.  |
|------------|---|------------|-------------------------|--|--|
| P-18-0191  | 2 | 07/17/2019 | Cabot<br>Corporation    | (S) Pigment Dispersing Aid   | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substitutedbutyl [3-[2-[1-[ [(substitutedphenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]methyl amide, polymers with<br>epichlorohydrin and trimthylolpropane, sodium salts.   |
| P-18-0214A | 3 | 07/22/2019 | СВІ                     | (G) Curing agent   | (G) Polycyclic substituted alkane, polymer with cyclicalkylamine epoxide, and polycyclic epoxide ether, reaction products with dialkylamine substituted alkyl amine.   |
| P-18-0215A | 3 | 07/22/2019 | СВІ                     | (G) Curing agent   | (G) Polycyclic alkane, polymer with monocyclic amine, polycycl epoxide ether, reaction products with dialkylamine alkyl amine.   |
| P-18-0216A | 3 | 07/22/2019 | СВІ                     | (G) Curing agent   | (G) Polycyclic substituted alkane, polymer with epoxide, reaction products with cyclicalkylamine and dialkylamine substituted alky amine.  |
| P-18-0223A | 2 | 07/12/2019 | Clariant<br>Corporation | (S) Selectivity improver for<br>catalysts used in the<br>production of polyolefins | (G) Alkane, bis(alkoxymethyl)-dimethyl   |
| P-18-0241A | 4 | 06/27/2019 | CBI                     | (G) Additive for automotive coating  | (G) 2-Propenoic acid, 2-methyl-, methyl ester, polymer with<br>ethenylbenzene, ethyl 2-propenoate, 2-oxiranylmethyl 2-methyl-<br>2-propenoate and 1,2-propanediol mono(2-methyl-2-propenoate),<br>reaction products with diethanolamine, polymers with substituted<br>alkyl acrylate, formates (salts).    |
| P-18-0242A | 4 | 06/27/2019 | CBI                     | (S) Withdrawn  | (S) Substance withdrawn.   |
| P-18-0243A | 4 | 06/27/2019 | CBI                     | (S) Withdrawn  | (S) Substance withdrawn.   |
| P-18-0244A | 4 | 06/27/2019 | CBI                     | (G) Additive for automotive coating  | (G) 2-Propenoic acid, 2-methyl, methyl ester, polymer with<br>ethenylbenzene, ethyl 2-propenoate, 2-oxiranylmethyl 2-methyl-<br>2-propenoate and 1,2-propanediol mono(2-methyl-2-propenoate),<br>reaction products with diethanolamine, polymers with substituted<br>alkyl methacrylate, formates (salts). |
| P-18-0245A | 4 | 06/27/2019 | CBI                     | (G) Additive for automotive coating  | (G) 2-Propenoic acid, 2-methyl-, methyl ester, polymer with<br>ethenylbenzene, ethyl 2-propenoate, 2-oxiranylmethyl 2-methyl-<br>2-propenoate, and 1,2-propanediol mono(2-methyl-2-propenoate)<br>reaction products with diethanolamine, polymers with alkylene gl<br>monoacrylate, formates (salts).      |
| P-18-0246A | 4 | 06/27/2019 | CBI                     | (S) Withdrawn  | (S) Substance withdrawn.   |

| P-18-0257A | 3 | 07/01/2019 | Everris NA,<br>Inc | (S) Inorganic fertilizer                         | (S) Phosphoric acid, potassium salt (2:3).  |
|------------|---|------------|--------------------|--|---|
| P-18-0267A | 3 | 07/22/2019 | CBI                | (G) Curing agent                                 | (G) Branched alkanoic acid, epoxy ester, reaction products with monocyclic dialkylamine and polycyclic alcohol epoxy polymer.                                   |
| P-18-0268A | 3 | 07/22/2019 | CBI                | (G) Curing agent                                 | (G) Branched alkanoic acid, epoxy ester, reaction products with monocyclicdialkanamine and polycyclic dialkanol ether polymer.                                  |
| P-18-0269A | 3 | 07/22/2019 | СВІ                | (G) Curing agent                                 | (G) Branched alkanoic acid, epoxy ester, reaction products with monocyclicalkanamine, polycyclic alcohol ether homopolymer, a polycyclic alcohol epoxy polymer. |
| P-18-0292A | 4 | 07/21/2019 | СВІ                | (G) Use in print resins                          | (G) alkanediol, polymer with 5-isocyanato-1-(isocyanatomethyl)-<br>1,3,3-trimethylcyclohexane, alkylaminoalkyl methacrylate-block                               |
| P-18-0300A | 2 | 02/08/2019 | СВІ                | (S) Additive for automatic dishwashing detergent | (G) Heteromonocycle, alkenoic 1:1 salt, polymer with alpha-(2-<br>methyl-1-oxo-2-propen-1-y)l-omegamethoxypoly(oxy-1,2-ethane<br>and methyl-alkenoic acid.      |
| P-18-0334A | 2 | 07/12/2019 | Sirrus, Inc        | (S) Intermediate use                             | (S) Propanedioic acid, 1,3-dihexyl ester.   |
| P-18-0335A | 2 | 07/12/2019 | Sirrus, Inc        | (S) Intermediate use                             | (S) Propanedioic acid, 1,3-dicyclohexyl ester.  |
| P-18-0336A | 2 | 06/26/2019 | Sirrus, Inc        | (S) Intermediate use                             | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dihexyl ester   |
| P-18-0336A | 3 | 07/01/2019 | Sirrus, Inc        | (S) Intermediate use                             | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dihexyl ester   |
| P-18-0337A | 2 | 06/26/2019 | Sirrus, Inc        | (S) Intermediate use                             | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dicyclohexy] ester.   |
| P-18-0337A | 3 | 07/01/2019 | Sirrus, Inc        | (S) Intermediate use                             | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dicyclohexyl ester.   |
| P-18-0341A | 4 | 07/02/2019 | CBI                | (G) Component in coatings                        | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco alkyl polyglycol, alkyl dialcohol, and functionalized carboxylic a                              |
| P-18-0341A | 5 | 07/02/2019 | CBI                | (G) Component in coatings                        | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco alkyl polyglycol, alkyl dialcohol, and functionalized carboxylic a                              |
| P-18-0341A | 6 | 07/30/2019 | СВІ                | (G) Component in coatings                        | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco alkyl polyglycol, alkyl dialcohol, and functionalized carboxylic a                              |
| P-18-0342A | 4 | 07/02/2019 | CBI                | (G) Component in coatings                        | (G) Alkane dicarboxylic acid, polymer with alkyl polyglycol, alk dialcohol, and functionalized carboxylic acid.   |
| P-18-0342A | 5 | 07/02/2019 | CBI                | (G) Component in coatings                        | (G) Alkane dicarboxylic acid, polymer with alkyl polyglycol, alk dialcohol, and functionalized carboxylic acid.   |
| P-18-0342A | 6 | 07/30/2019 | CBI                | (G) Component in coatings                        | (G) Alkane dicarboxylic acid, polymer with alkyl polyglycol, alk dialcohol, and functionalized carboxylic acid.   |

| P-18-0343A | 4  | 07/02/2019 | CBI  | (G) Component in coatings   | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco<br>and alkyl dialcohol, (hydroxy alkyl) ester.   |
|------------|----|------------|--|---|--|
| P-18-0343A | 5  | 07/02/2019 | СВІ  | (G) Component in coatings   | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco and alkyl dialcohol, (hydroxy alkyl) ester.  |
| P-18-0343A | 6  | 07/30/2019 | СВІ  | (G) Component in coatings   | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco and alkyl dialcohol, (hydroxy alkyl) ester.  |
| P-18-0344A | 4  | 07/02/2019 | СВІ  | (G) Component in coatings   | (G) Aromatic dicarboxylic acid, polymer with alkane dicarboxyli acid, alkoxylated polyalcohol, and alkyl dialcohol.  |
| P-18-0344A | 5  | 07/02/2019 | СВІ  | (G) Component in coatings   | (G) Aromatic dicarboxylic acid, polymer with alkane dicarboxyli acid, alkoxylated polyalcohol, and alkyl dialcohol.  |
| P-18-0344A | 6  | 07/30/2019 | СВІ  | (G) Component in coatings   | (G) Aromatic dicarboxylic acid, polymer with alkane dicarboxyli acid, alkoxylated polyalcohol, and alkyl dialcohol.  |
| P-18-0394A | 3  | 07/30/2019 | СВІ  | (G) Chemical intermediate   | (G) substituted benzylic ether polyethylene glycol alkyl ether derivative.   |
| P-18-0403A | 2  | 07/15/2019 | Clariant<br>Plastics &<br>Coatings USA,<br>Inc | (S) Dispersing agent for<br>pigments, paints, and<br>coatings   | (S) 2-Propenoic acid, 2-methyl-, butyl ester, polymer with<br>2-(dimethylamino)ethyl 2-methyl-2-propenoate and 2-ethylhexyl<br>2-methyl-2-propenoate.  |
| P-19-0009A | 5  | 07/08/2019 | Allnex USA,<br>Inc                             | (S) The PMN substance is<br>used as a coating resin<br>additive for corrosion<br>protection   | (G) Carbonmonocycles, polymer with haloalkyl substituted<br>heteromonocycle and hydro-hydroxypoly[oxy(alkyl-alkanediyl)],<br>dialkyl-alkanediamine-terminated, hydroxyalkylated, acetates (sa                              |
| P-19-0011  | 2  | 07/17/2019 | Shin Etsu<br>Silicones of<br>America           | (G) Additive to the EPDM rubber compounds   | (G) Polysulfides, bis[3-(trialkoxysilyl)propyl].   |
| P-19-0012A | 11 | 06/13/2019 | СВІ  | (S) Resin component for the<br>polyisocyanurate, and resin<br>component in specialty<br>polyurethane kits and systems<br>for aerospace and military<br>applications | (G) Benzenedicarboxylic acid, rection products with isobenzofurandione and diethylene glycol.  |
| P-19-0024A | 5  | 07/02/2019 | Sales and<br>Distribution<br>Services, Inc     | (S) Hot Mix Asphalt<br>Application: The PMN<br>compound will be used as<br>asphalt additive for hot mix   | (S) 1-Octadecanaminium, N,N-dimethyl-<br>N-[3-(trimethoxysilyl)propyl]-, chloride (1:1), reaction products<br>water, Trimethoxy(propyl) silane, Trimethoxy(methyl)silane,<br>Tetraethyl orthosilicate and ethane-1,2-diol. |

|            |   |            |                                       | (HMA) as well as cold mix<br>(CMA) asphalt applications.<br>The PMN substance<br>chemically reacts with the<br>surface of the aggregate and<br>changes surface<br>characteristics of aggregate<br>from hydrophilic to<br>hydrophobic. This change<br>provides stronger bonding<br>between asphalt and<br>aggregates and reduces the<br>potential for stripping away<br>asphalt binder from an<br>aggregate due to water.<br>Asphalt Emulsion<br>Application: The PMN<br>substance is water soluble<br>and can be used as an asphalt<br>emulsion in road<br>construction. This additive<br>provides better bonding with<br>ground surface, quick drying<br>and reduced tire pickup of the<br>asphalt emulsion by<br>application equipment |   |
|------------|---|------------|---------------------------------------|--|---|
| P-19-0024A | 6 | 07/03/2019 | Sales and<br>Distribution<br>Services | (S) Hot Mix Asphalt<br>Application: The PMN<br>compound will be used as<br>asphalt additive for hot mix<br>(HMA) as well as cold mix<br>(CMA) asphalt applications.<br>The PMN substance<br>chemically reacts with the<br>surface of the aggregate and<br>changes surface<br>characteristics of aggregate<br>from hydrophilic to   | (S) 1-Octadecanaminium, N,N-dimethyl-<br>N-[3-(trimethoxysilyl)propyl]-, chloride (1:1) , reaction products<br>water, Trimethoxy(propyl) silane, Trimethoxy(methyl)silane,<br>Tetraethyl orthosilicate and ethane-1,2-diol. |

hydrophobic. This change provides stronger bonding between asphalt and aggregates and reduces the potential for stripping away asphalt binder from an aggregate due to water; Waterproofing Application: The PMN substance is expected to be used in waterproofing of building materials, including cementitious material, masonry, concrete, plaster, bricks, etc. It is initially intended to be used at a maximum of 5 sites by trained commercial applicators. The PMN substance is modification of a quaternary silane compound by a hydrolysis reaction with other silanes to make it an oligomeric compound. These quaternary silane products have been manufactured and marketed for waterproofing uses for over 35 years. The solution of PMN substance in water is applied as a waterproofing sealer for building materials by spray application; Asphalt Emulsion Application: The PMN substance is water soluble and can be used as an asphalt emulsion in road construction. This additive

|            |   |            |                                    | provides better bonding with<br>ground surface, quick drying<br>and reduced tire pickup of the<br>asphalt emulsion by<br>application equipment |  |
|------------|---|------------|------------------------------------|--|--|
| P-19-0034A | 5 | 07/26/2019 | CBI                                | (G) Contained use as a component of tires  | (G) Metal, bis(2,4-pentanedionato-kO2,kO4)-, (T-4)   |
| P-19-0037A | 2 | 07/11/2019 | CBI                                | (G) Chemical intermediate  | (G) D-Glucaric acid, mixed alkali metal salt.  |
| P-19-0051A | 6 | 07/29/2019 | CBI                                | (G) UV curable inks  | (G) 1,3-Propanediamine, N1,N1-dimethyl-, polymers with alkyle glycol ether with alkyltriol (3:1) mixed acrylates and adipates, an alkylene glycol monoacrylate ether with alkyltriol (3:1).  |
| P-19-0058  | 2 | 07/08/2019 | Essential<br>Industries, Inc       | (S) Wood Coating   | (S) Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propen-<br>1-yl)oxy]ethyl ester, polymer with butyl 2-propenoate,<br>ethenylbenzene, methyl 2-methyl-2-propenoate and 2-methyl-<br>2-popenoic acid, ammonium salt.   |
| P-19-0059  | 3 | 07/30/2019 | Essential<br>Industries, Inc       | (S) Wood Coating   | (S) Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-1-propen-<br>1-yl)oxy]ethyl ester, polymer with butyl 2-propenoate,<br>ethenylbenzene, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2<br>ethanediyl)]] di-2-propenoate, methyl 2-methyl-2-propenoate and<br>2-methyl-2-propenoic acid, ammonium salt. |
| P-19-0064A | 3 | 07/11/2019 | The Sherwin<br>Williams<br>Company | (G) Polymeric film former for coatings   | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic a<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et<br>2-propenoate, reaction products with 2-(dimethylamino) ethanol.                                   |
| P-19-0077A | 3 | 07/10/2019 | CBI                                | (G) Agricultural   | (G) alkenylamide.  |
| P-19-0077A | 4 | 07/11/2019 | CBI                                | (G) Agricultural   | (G) alkenylamide.  |
| P-19-0088A | 2 | 07/17/2019 | СВІ                                | (G) Feedstock for amine recovery   | (S) Ethanamine, N-ethyl-, 2-hydroxy-1,2,3-propanetricarboxylate (1:?).   |
| P-19-0095A | 4 | 06/28/2019 | CBI                                | (G) Consumer Disposables,<br>Polymer Sheet, and Durable<br>Goods   | (G) Poly hydroxy alkanoate.  |
| P-19-0099A | 3 | 07/10/2019 | Essential<br>Industries, Inc       | (S) Clear coat for wood  | (S) Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, pol<br>with dimethyl carbonate, 1,2-ethanediamine, 2-ethyl-<br>2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol and 1,1'-<br>methylenebis[4-isocyanatocyclohexane], compd. with N,N-   |

|            |   |            |                        |  | diethylethanamine.  |
|------------|---|------------|------------------------|--|---|
| P-19-0101A | 5 | 07/16/2019 | СВІ                    | (G) Monitor well<br>performance  | (G) Halogenated alkylbenzoic acid, ethyl ester.   |
| P-19-0111  | 2 | 07/01/2019 | SHIN-ETSU<br>MICROSI   | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing          | (G) Dibenzotheiophenium, aryl substituted trifluoro-hydroxy-<br>(triheterosubstitutedalkyl)alkaoate (1:1).  |
| P-19-0117A | 4 | 07/18/2019 | СВІ                    | (G) Additive   | (G) Polycyclic amine, reaction products with polyalkylalkene, polymers.   |
| P-19-0118A | 2 | 07/02/2019 | CBI                    | (G) Component of lubricant   | (G) Substituted polyalkylenepoly, reaction products with alkene polymer.  |
| P-19-0121  | 2 | 07/11/2019 | H.B. Fuller<br>Company | (S) Industrial adhesives   | (G) Plant based oils, polymer with 1,1'-methylenebis[4-<br>isocyanatobenzene], pentaerythritol, phthalic esters, polypropyler<br>glycol and polypropylene glycol ether with glycerol (3:1). |
| P-19-0122  | 1 | 06/28/2019 | СВІ                    | (G) Reactant monomer in a polymer for industrial use   | (G) Alkylamidoethyl acrylate.   |
| P-19-0123  | 1 | 06/28/2019 | СВІ                    | (G) Reactant monomer in a polymer for industrial use   | (G) Alkylamidoethyl acrylate.   |
| P-19-0124  | 1 | 06/28/2019 | SEFA Group,<br>Inc     | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with alkenetrialkoxysilan silicic acid (H4SiO4) tetra-Et ester.   |
| P-19-0124A | 2 | 07/11/2019 | SEFA Group,<br>Inc     | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with alkenetrialkoxysilan silicic acid (H4SiO4) tetra-Et ester.   |
| P-19-0125  | 1 | 06/28/2019 | SEFA Group,<br>Inc     | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reactions products with alkenyltrialkoxysila silicic acid (H4SiO4) tetra-Et ester and trialkoxyalkylsilane.   |
| P-19-0125A | 2 | 07/11/2019 | SEFA Group,<br>Inc     | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reactions products with alkenyltrialkoxysila silicic acid (H4SiO4) tetra-Et ester and trialkoxyalkylsilane.   |

| P-19-0126  | 1 | 06/28/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with 1-alkenyl-<br>N-(alkenyldialkylsilyl)-1,1-dialkylsilanamine.   |
|------------|---|------------|--------------------|--|---|
| P-19-0126A | 2 | 07/11/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with 1-alkenyl-<br>N-(alkenyldialkylsilyl)-1,1-dialkylsilanamine.   |
| P-19-0127  | 1 | 06/28/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with alkenyltrialkoxysilar silicic acid (H4SiO4) tetra-Et ester and (trialkoxysilyl)carbomonocycle.   |
| P-19-0127A | 2 | 07/11/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with alkenyltrialkoxysilar silicic acid (H4SiO4) tetra-Et ester and (trialkoxysilyl)carbomonocycle.   |
| P-19-0128  | 1 | 06/28/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with alkenyltrialkoxysilar silicic acid (H4SiO4) tetra-Et ester and 1,1,1-trialkyll-N-(trialkylsilyl)silanamine.                                    |
| P-19-0128A | 2 | 07/11/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reaction products with alkenyltrialkoxysilar silicic acid (H4SiO4) tetra-Et ester and 1,1,1-trialkyll-N-(trialkylsilyl)silanamine.                                    |
| P-19-0129  | 1 | 06/28/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reactions products with alkenyltrialkoxysila silicic acid (H4SiO4) tetra-Et ester and trialkoxyalkylsilane.   |
| P-19-0129A | 2 | 07/11/2019 | SEFA Group,<br>Inc | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants | (G) Ashes (residues), reactions products with alkenyltrialkoxysila silicic acid (H4SiO4) tetra-Et ester and trialkoxyalkylsilane.   |
| P-19-0130  | 2 | 07/08/2019 | СВІ                | (G) Dye  | (G) Aminohydroxy naphthalenesulfonic acid, coupled with diazotized[(aminophenyl)sulfonyl]ethyl hydrogen sulfate and diazotized amino[ [(sulfooxy)ethyl]sulfonyl]benzenesulfonic acid salts. |

| P-19-0130A  | 3 | 07/11/2019 | СВІ                  | (G) Dye  | (G) Aminohydroxy naphthalenesulfonic acid, coupled with diazotized[(aminophenyl)sulfonyl]ethyl hydrogen sulfate and diazotized amino[ [(sulfooxy)ethyl]sulfonyl]benzenesulfonic acid salts. |
|-------------|---|------------|----------------------|--|---|
| P-19-0131   | 2 | 07/17/2019 | СВІ                  | (G) Additive for horizontal oil drilling   | (G) Isoalkylaminium, N-isoalkyl,-N, N-dimethyl chloride.  |
| P-19-0132   | 1 | 07/15/2019 | Allnex USA,<br>Inc.  | (S) Adhesion-enhancing resin<br>for wood applications  | (G) Fatty acid, polymer with alkanedioic acid dialkyl ester, alkanacid, oxo alkyl ester, substituted carbomonocycle, alkyl substitute alkanediol, and alkylol substituted alkane.           |
| P-19-0133   | 1 | 07/18/2019 | SHIN-ETSU<br>MICROSI | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Heterotrisubstituted-bile acid, 1-(difluorosulfomethyl)-2,2,2-<br>trifluoroethyl ester, ion(1-), (5)-, triphenylsulfonium (1:1).  |
| P-19-0136   | 1 | 07/23/2019 | CBI                  | (S) Intermediate   | (G) iso-alkylamine, N-isoalkyl-N-methyl.  |
| P-19-0138   | 2 | 07/25/2019 | CBI                  | (G) Intermediate   | (G) Perfluorodioxaalkanoyl fluoride.  |
| P-19-0139   | 1 | 07/26/2019 | CBI                  | (G) Intermediate   | (G) Perfluoro-2-methyl-trioxaalkanoyl fluoride.   |
| P-19-0140   | 1 | 07/29/2019 | CBI                  | (G) Intermediate   | (G) Perfluorodioxaalkyl vinyl ether.  |
| SN-19-0004A | 5 | 06/07/2019 | СВІ                  | (S) A lubricating agent used<br>in the production of<br>automotive disc brakes   | (G) Pitch coke.   |
| P-16-0207A  | 2 | 07/25/2019 | СВІ                  | (G) Additive for electrolyte solution  | (G) Spiro Tetrafluoroborate   |
| P-16-0225A  | 4 | 08/06/2019 | CBI                  | (S) The notified substance<br>will be used as a fragrance<br>ingredient, being blended<br>(mixed) with other fragrance<br>ingredients to make fragrance<br>oils that will be sold to<br>industrial and commercial<br>customers for their<br>incorporation into soaps,<br>detergents, cleaners, air<br>fresheners, candles and other<br>similar industrial, household<br>and consumer products. | (G) Alkylene-substituted propoxycyclohexanol  |

| P-17-0409A | 4 | 08/15/2019 | CBI                    | (G) Monitor well performance.  | (G) halogenated benzoic acid ethyl ester   |
|------------|---|------------|------------------------|--|--|
| P-17-0408A | 3 | 08/15/2019 | CBI                    | (G) Well performance   | (G) halogenated benzoic acid ethyl ester   |
| P-17-0407A | 4 | 08/15/2019 | CBI                    | (G) Well performance   | (G) halogenated benzoic acid ethyl ester   |
| P-17-0406A | 5 | 08/15/2019 | CBI                    | (G) Oil and gas well performance   | (G) halogenated benzoic acid ethyl ester   |
| P-17-0405A | 5 | 08/15/2019 | CBI                    | (G) Oil and gas well performance   | (G) halogentated benzoic acid ethyl ester  |
| P-17-0395A | 5 | 08/01/2019 | CBI                    | (G) Water treatment additive   | (G) Alkyl tri dithiocarbmate tri salt  |
| P-17-0295A | 2 | 08/08/2019 | CBI                    | (S) Refrigerant used in closed<br>systems for (i) chillers<br>(commercial comfort air<br>conditioners); and (ii)<br>industrial process<br>refrigeration. | (G) Hydrochlorofluoroolefin  |
| P-17-0115A | 3 | 08/07/2019 | CBI                    | (S) An adhesion promoter for coating formulations  | (G) Aminoalkyl alkoxysilane  |
| P-16-0570A | 5 | 08/02/2019 | Emery<br>Oleochemicals | (S) Aromatic polyester polyol<br>for rigid foam  | (G) Aromatic Polyester Polyol  |
| P-16-0445A | 5 | 07/31/2019 | CBI                    | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, hydrogenated polymers with<br>substituted alkanediamine, alkanediol, substituted alkylpropanoic<br>alkanedioic acid and substituted isocyanatocycloalkane, compds<br>alkylamine   |
| P-16-0444A | 5 | 07/31/2019 | CBI                    | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, polymers with substituted<br>alkanediamine, alkanediol, substituted alkylpropanoic acid,<br>alkanedioic acid and substituted isocyanatocycloalkane, compds v<br>alkylamine        |
| P-16-0443A | 5 | 07/31/2019 | CBI                    | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, hydrogenated polymers with<br>disubstituted amine, alkanediol, substituted alkylpropanoic acid,<br>alkanedioic acid and substituted isocyanatocycloalkane, compds v<br>alkylamine |
| P-16-0442A | 5 | 07/31/2019 | CBI                    | (G) Polymer for coatings   | (G) Carboxylic acids, unsaturated, polymers with disubstituted ar<br>alkanediol, substituted alkylpropanoic acid, alkanedioic acid and<br>substituted isocyanatocycloalkane, compds with alkylamine                  |

| P-17-0410A | 3 | 08/15/2019 | CBI | (G) Monitor well performance.    | (G) halogenated benzoic acid ethyl ester |
|------------|---|------------|-----|----------------------------------|--|
| P-17-0411A | 3 | 08/15/2019 | СВІ | (G) Monitor well<br>performance  | (G) halogenated benzoic acid ethyl ester |
| P-17-0412A | 3 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated benzoic acid ethyl ester |
| P-17-0415A | 4 | 08/15/2019 | СВІ | (G) Monitor well<br>performance  | (G) halogenated benzoic acid             |
| P-17-0416A | 4 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated benzoic acid             |
| P-17-0417A | 4 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated benzoic acid             |
| P-17-0418A | 4 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated benzoic acid             |
| P-17-0420A | 5 | 08/15/2019 | СВІ | (G) Monitor well<br>performance  | (G) halogenated benzoic acid             |
| P-17-0421A | 4 | 08/15/2019 | CBI | (G) Monitor well<br>performance  | (G) halogenated benzoic acid             |
| P-17-0422A | 4 | 08/15/2019 | СВІ | (G) Monitor well<br>performance  | (G) halogenated benzoic acid             |
| P-17-0423A | 3 | 08/15/2019 | CBI | (G) Monitor well performance.    | (G) halogenated benzoic acid ethyl ester |
| P-17-0441A | 3 | 08/15/2019 | CBI | (G) Monitor well performance.    | (G) halogenated sodium benzoate          |
| P-17-0442A | 3 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated sodium benzoate          |
| P-17-0443A | 4 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated sodium benzoate          |
| P-17-0444A | 3 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated sodium benzoate          |
| P-17-0445A | 4 | 08/15/2019 | СВІ | (G) Monitor well performance.    | (G) halogenated sodium benzoate          |
| P-17-0446A | 3 | 08/15/2019 | СВІ | (G) Monitor well<br>performance. | (G) halogenated sodium benzoate          |

|            | 1 | -ir        | 1                      | in  | 5 p   |
|------------|---|------------|------------------------|---|---|
| P-17-0447A | 4 | 08/15/2019 | CBI                    | (G) Monitor well performance.   | (G) halogenated sodium benzoate   |
| P-17-0448A | 3 | 08/15/2019 | СВІ                    | (G) Monitor well performance.   | (G) halogenated sodium benzoate   |
| P-17-0449A | 3 | 08/15/2019 | СВІ                    | (G) Monitor well<br>performance   | (G) halogenated sodium benzoate   |
| P-17-0450A | 3 | 08/15/2019 | СВІ                    | (G) Monitor well<br>performance   | (G) Halogenated benzoic acid  |
| P-18-0068A | 3 | 08/14/2019 | CBI                    | (G) Polymer composite<br>additive   | (G) Metal, oxo alkylcarboxylate complexes   |
| P-18-0075A | 2 | 08/21/2019 | СВІ                    | (S) Precursor component to<br>make an optical convertor in<br>the next step of<br>manufacturing | (G) Saturated fatty acid, reaction products with cadmium zinc sel sulfide, alkylamine and polymeric amine   |
| P-18-0084A | 6 | 08/07/2019 | ShayoNano<br>USA, Inc. | (S) Additive for paints and coatings  | (S) silicon zinc oxide  |
| P-18-0190A | 3 | 08/07/2019 | Cabot<br>Corporation   | (S) Pigment Dispersing Aid  | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl amide, polymers with epichlorohydrin and<br>trimethylolpropane, sodium salts   |
| P-18-0190A | 4 | 08/14/2019 | Cabot<br>Corporation   | (S) Pigment Dispersing Aid  | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl amide, polymers with epichlorohydrin and<br>trimethylolpropane, sodium salts   |
| P-18-0191A | 3 | 08/07/2019 | Cabot<br>Corporation   | (S) Pigment Dispersing Aid  | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substitutedbutyl [3-[2-[1-[ [(substitutedphenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]methyl amide, polymers with<br>epichlorohydrin and trimthylolpropane, sodium salts |
| P-18-0191A | 4 | 08/14/2019 | Cabot<br>Corporation   | (S) Pigment Dispersing Aid  | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substitutedbutyl [3-[2-[1-[ [(substitutedphenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]methyl amide, polymers with<br>epichlorohydrin and trimthylolpropane, sodium salts |
| P-18-0273  | 1 | 08/07/2018 | СВІ                    | (G) Plasticizer/softener in<br>PVC manufacturing.   | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester   |
| P-18-0281A | 2 | 08/22/2019 | CBI                    | (G) Electrolyte additive.   | (G) Cyclic sulfate  |
| P-18-0292A | 5 | 08/23/2019 | CBI                    | (G) Use in print resins   | (G) alkanediol, polymer with 5-isocyanato-1-(isocyanatomethyl)-<br>1,3,3-trimethylcyclohexane, alkylaminoalkyl methacrylate-block   |

| P-19-0047A | 2 | 07/31/2019 | CBI   | (S) Binder for Thermoplastic<br>Coatings and Ink/Adhesive  | (S) Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, pol<br>with 5-amino-1,3,3-trimethylcyclohexanemethanamine, a-hydro-<br>w-hydroxypoly(oxy-1,4-butanediyl), a-hydro- |
|------------|---|------------|---|--|---|
| P-18-0403A | 3 | 08/15/2019 | Clarion<br>Plastics &<br>Coatings USA<br>Inc. | (S) Dispersing agent for pigments, paints, and coatings.   | (S) 2-Propenoic acid, 2-methyl-, butyl ester, polymer with<br>2-(dimethylamino)ethyl 2-methyl-2-propenoate and 2-ethylhexyl<br>2-methyl-2-propenoate                          |
| P-18-0384A | 3 | 08/06/2019 | Sigma-Aldrich<br>CO LLC                       | (S) Starting material for<br>manufacture of 6Lithium<br>chloride scintillation crystals<br>for use in radiation detection.   | (S) Lithium 6   |
| P-18-0351A | 2 | 08/11/2019 | CBI   | (G) UV curable inks  | (G) Acrylic acid, tricyclo alkyl ester  |
| P-18-0318A | 2 | 08/20/2019 | Gelest  | (S) Surface treatment for<br>added lubricity and anti-static<br>properties and research  | (S) 1-Octadecanaminium, N,N-dimethyl-N-[3-(triethoxysilyl)pro<br>chloride   |
| P-18-0310A | 2 | 08/07/2019 | Chitec<br>Technology<br>Co., Ltd.             | (G) Polymer additive   | (S) Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-<br>dimethylethyl)-4-hydroxy-, 2,2-bis(hydroxymethyl)butyl ester   |
| P-18-0295A | 4 | 08/09/2019 | CBI   | (G) Ingredient in the<br>manufacture of consumer<br>cleaning products,(G) Use as<br>monomer in the manufacture<br>of resins for use in paint and<br>coating products.,(S) Use as a<br>monomer in the manufacture<br>of plastic products. In this<br>process the notified substance<br>is reacted with one or more<br>other compounds to become<br>part of a polymer. Depending<br>on the reactants involved, the<br>final polymer can be a resin<br>used to make molded plastic<br>products or the final polymer<br>can be a shorter polymer used<br>as a plasticizer. | (S) 1,3-Butanediol, (3R)-   |

|            |   |            |                              |  | w-hydroxypoly[oxy(methyl-1,2-ethanediyl)], 5-isocyanato-<br>1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,1'-<br>methylenebis[4-isocyanatobenzene], Pr alcblocked where a = al<br>and w = omega  |
|------------|---|------------|------------------------------|--|--|
| P-19-0047A | 3 | 08/20/2019 | СВІ                          | (S) Binder for Thermoplastic<br>Coatings and Ink/Adhesive  | (S) Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, pol<br>with 5-amino-1,3,3-trimethylcyclohexanemethanamine, a-hydro-<br>w-hydroxypoly(oxy-1,4-butanediyl), a-hydro-<br>w-hydroxypoly[oxy(methyl-1,2-ethanediyl)], 5-isocyanato-<br>1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,1'-<br>methylenebis[4-isocyanatobenzene], Pr alcblocked where a = al<br>and w = omega |
| P-19-0055A | 2 | 08/13/2019 | Rahn USA<br>Corp.            | (S) The PMN is solely used<br>as a photo initiator within UV<br>curable coating/ink<br>formulations. This photo<br>initiator is starting the<br>polymerization process<br>during the UV curing process<br>of the formulation. The<br>curing is achieved by UV<br>light only, no heat is applied.<br>After curing, the PMN<br>substance is no longer<br>available for exposure or<br>release. | (S) 1,3-propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with<br>oxirane, 4-(dimethylamino)benzoate  |
| P-19-0059A | 4 | 08/06/2019 | Essential<br>Industries Inc. | (S) Wood Coating   | (S) Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-1-propen-<br>1-yl)oxy]ethyl ester, polymer with butyl 2-propenoate,<br>ethenylbenzene, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2<br>ethanediyl)]] di-2-propenoate, methyl 2-methyl-2-propenoate and<br>2-methyl-2-propenoic acid, ammonium salt  |
| P-19-0077A | 5 | 08/07/2019 | CBI                          | (G) Agricultural   | (G) alkenylamide   |
| P-19-0077A | 6 | 08/08/2019 | CBI                          | (G) Agricultural   | (G) alkenylamide   |
| P-19-0078A | 3 | 08/19/2019 | SHIN-ETSU<br>MICROSI         | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Substitutedheterocyclic onium compound, salt with 2,2,2-<br>trifluoro-1-(sulfomethyl)-1-(trifluoromethyl)ethyl 3-[(2-methyl-1<br>2-propen-1-yl)oxy]tricycle[3.3.1.13,7]decane-1- carboxylate (1:1<br>polymer with acenaphthylene, 1-ethenyl-4-[(1-   |

|            |   |            |                       |   | ethylcyclopentyl)oxy]benzene and 4-ethenylphenol, di-Me 2,2'-(1<br>diazenediyl)bis[2-methylpropanoate]-initiated   |
|------------|---|------------|-----------------------|---|--|
| P-19-0079A | 2 | 08/19/2019 | SHIN-ETSU<br>MICROSI  | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing     | (G) substituted heterocyclic onium compound, salt with 2,2,2-<br>trifluoro-1-(sulfomethyl)-1-(trifluoromethyl)ethyl 3-[(2-methyl-1<br>2-propen-1-yl)oxy]tricyclo[3.3.1.13,7]decane-1- carboxylate (1:1<br>polymer with acenaphthylene, 1-ethenyl-4-[[1-(1-<br>methylethyl)cyclopentyl]oxy]benzene and 4-ethenylphenol, di-M<br>2,2'-(1,2-diazenediyl)bis[2-methylpropanoate]-initiated |
| P-19-0085A | 2 | 08/05/2019 | Neste oil US,<br>Inc. | (G) The PMN substance will<br>be used as a functional fluid<br>in electrical equipment. | (G) Aliphatic hydrocarbons, C16-18-branched and linear   |
| P-19-0086A | 4 | 08/14/2019 | СВІ                   | (G) Monitor oil and gas well performance  | (G) Halogenated sodium alkylbenzoate   |
| P-19-0087A | 4 | 08/14/2019 | CBI                   | (G) Monitor oil-and-gas well performance  | (G) Halogenated Sodium alkylbenzoate   |
| P-19-0089A | 6 | 08/14/2019 | CBI                   | (G) Well performance tracer   | (G) Halogenated sodium alkylbenzoate   |
| P-19-0090A | 4 | 08/14/2019 | CBI                   | (G) Well performance tracer   | (G) Halogenated sodium benzoate  |
| P-19-0091A | 4 | 08/14/2019 | CBI                   | (G) Well performance tracer   | (G) Halogenated alkylbenzoic acid  |
| P-19-0092A | 3 | 08/14/2019 | СВІ                   | (G) Tracer of well<br>performance   | (G) Halogenated alkylbenzoic acid  |
| P-19-0093A | 4 | 08/14/2019 | CBI                   | (G) Tracer for well performance   | (G) Halogenated benzoic acid   |
| P-19-0095A | 5 | 08/16/2019 | СВІ                   | (G) Consumer Disposables,<br>Polymer Sheet, and Durable<br>Goods                        | (G) Poly hydroxy alkanoate   |
| P-19-0097A | 5 | 08/14/2019 | CBI                   | (G) Well performance monitor  | (G) Halogenated alkylbenzoic acid, ethyl ester   |
| P-19-0100A | 6 | 08/14/2019 | CBI                   | (G) Well performance monitor  | (G) Halogenated alkylbenzoic acid, ethyl ester   |
| P-19-0101A | 6 | 08/14/2019 | СВІ                   | (G) Monitor well performance.   | (G) Halogenated alkylbenzoic acid, ethyl ester   |
| P-19-0102A | 4 | 08/01/2019 | СВІ                   | (G) Well performance<br>monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester   |

| P-19-0103A | 3 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated alkyl benzoic acid  |
|------------|---|------------|--|--|---|
| P-19-0104A | 5 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0105A | 4 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated benzoic acid, ethyl ester   |
| P-19-0106A | 4 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0107A | 4 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0108A | 4 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid, ethyl ester  |
| P-19-0110A | 4 | 08/14/2019 | СВІ                                    | (G) Well performance monitor   | (G) Halogenated benzoic acid, ethyl ester   |
| P-19-0113A | 4 | 08/23/2019 | CBI                                    | (G) Flow cell additive   | (G) metal oxide-chloro  |
| P-19-0119A | 2 | 07/25/2019 | ZSCHIMMER<br>& SCHWARZ                 | (S) Foaming additive used in<br>building/construction,<br>exposure would only occur<br>during loading of finished<br>product. Product application<br>is used in closed system with<br>very low possibility for<br>exposure. To be used on<br>construction sites. | (S) Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C9-1<br>branched alkyl ethers, sodium salts   |
| P-19-0137  | 2 | 08/08/2019 | CBI                                    | (G) Component in lubricants  | (G) Alkyl oligomeric reaction products  |
| P-19-0137A | 3 | 08/19/2019 | CBI                                    | (G) Component in lubricants  | (G) Alkyl oligomeric reaction products  |
| P-19-0142  | 1 | 07/31/2019 | СВІ                                    | (G) An ingredient used in the manufacture of photoresist   | (G) Heteropolycycle, aromatic-, salt with dihalo-substituted alkyl carbopolycycle carboxylate (1:1)   |
| P-19-0143  | 1 | 08/02/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent for<br>use in epoxy resin for water-<br>based coating for a variety of<br>substrates and civil<br>applications in commercial<br>and consumer usages.  | (G) Aldehyde, polymer with mixed alkanepolyamines, 2,2'-[1,4-<br>alkanediylbis(oxyalkylene)] bis[oxirane], 2-(alkoxyalkyloxirane,<br>4,4'-(1-alkylidene)bis[phenol], 2,2'-[(1-alkylidene)bis(4,1-<br>alkyleneoxyalkylene)]bis[oxirane] and 2-(aryloxyalkyl)oxirane,<br>acetate (salt) |

| P-19-0143A | 2 | 08/08/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent for<br>use in epoxy resin for water-<br>based coating for a variety of<br>substrates and civil<br>applications in commercial<br>and consumer usages. | (G) Aldehyde, polymer with mixed alkanepolyamines, 2,2'-[1,4-<br>alkanediylbis(oxyalkylene)] bis[oxirane], 2-(alkoxyalkyloxirane,<br>4,4'-(1-alkylidene)bis[phenol], 2,2'-[(1-alkylidene)bis(4,1-<br>alkyleneoxyalkylene)]bis[oxirane] and 2-(aryloxyalkyl)oxirane,<br>acetate (salt)  |
|------------|---|------------|--|---|--|
| P-19-0144  | 1 | 08/05/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent in<br>epoxy based self-leveling<br>floor coatings.   | (G) Alkanedioic Acid, compds. With substituted arylalkylamine-<br>arylalcohol disubstituted alkane-the diglycidyl ether of a arylalcol<br>disubstituted alkane -epichlorohydrin-aldehyde-2,2'-[(1-<br>alkylidene)bis[4,1-aryleneoxy(alkyl-2,1-<br>alkanediyl)oxyalkylene]]bis[oxirane]-alkanepolyamine polymer-<br>[2-[(2-aminoalkyl)amino]alkyl]amino]-3-aryloxy-2-alcohol reacti<br>products |
| P-19-0144A | 2 | 08/08/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent in<br>epoxy based self-leveling<br>floor coatings.   | (G) Alkanedioic Acid, compds. With substituted arylalkylamine-<br>arylalcohol disubstituted alkane-the diglycidyl ether of a arylalcol<br>disubstituted alkane -epichlorohydrin-aldehyde-2,2'-[(1-<br>alkylidene)bis[4,1-aryleneoxy(alkyl-2,1-<br>alkanediyl)oxyalkylene]]bis[oxirane]-alkanepolyamine polymer-<br>[2-[(2-aminoalkyl)amino]alkyl]amino]-3-aryloxy-2-alcohol reacti<br>products |
| P-19-0145  | 2 | 08/15/2019 | ARC Products,<br>Inc.                  | (S) Oil Field Drilling fluid<br>additive.   | (G) 1,2-Ethanediamine, N1-(2-aminoethyl)-N2-[2-[(2-<br>aminoethyl)amino]ethyl]-,polymer with 2-methyloxirane and oxin<br>compd. with haloalkane  |
| P-19-0146  | 2 | 08/13/2019 | СВІ                                    | (G) Reagent used to introduce<br>deuterium to the substrate<br>chemical.  | (G) Modified dimethyl sulfoxide  |
| P-19-0147  | 1 | 08/16/2019 | CRODA INC.                             | (G) Cleaning additive   | (G) alkoxylated butyl alkyl ester  |
| P-19-0148  | 1 | 08/22/2019 | CBI                                    | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid-2-oxoacetic acid reaction products, potassium salts  |
| P-19-0149  | 1 | 08/22/2019 | СВІ                                    | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid potassium salt (1:1)-potassium 2-oxoacetate (1:1) reapproducts, potassium salts  |
| P-19-0150  | 1 | 08/22/2019 | СВІ                                    | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid-2-oxoacetic acid reaction products, sodium salts   |
| P-19-0151  | 1 | 08/22/2019 | CBI                                    | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonod<br>hetero-acid sodium salt (1:1)-sodium 2-oxoacetate (1:1) reaction   |

|             |   |            |                           |  | products, sodium salts  |
|-------------|---|------------|---------------------------|--|---|
| P-19-0152   | 2 |            | UBE<br>AMERICA<br>INC.    | (G) Pre-polymer for polyurethane roll covers   | (G) alkaneic acid, dialkyl ester polymer with alkanediol, [<br>[(isocyanatocarbomonocycle)alkyl)carbomonocycle)carbamate,                                     |
| P-19-0153   | 2 | 07/25/2019 | Wego<br>Chemical<br>Group | (S) Raw material in Flame<br>Retardant product   | (G) Dibromoalkyl ether Tetrabromobisphenol A  |
| SN-19-0004A | 6 | 08/12/2019 | CBI                       | (S) A lubricating agent used<br>in the production of<br>automotive disc brakes   | (G) Pitch coke  |
| SN-19-0004A | 7 | 08/14/2019 | CBI                       | (S) A lubricating agent used<br>in the production of<br>automotive disc brakes   | (G) Pitch coke  |
| J-19-0026   | 1 | 09/18/2019 | CBI                       | (G) Production of Biofuel  | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications   |
| J-19-0027   | 1 | 09/18/2019 | CBI                       | (G) Production of Biofuel  | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications   |
| P-16-0053A  | 2 | 09/03/2019 | CBI                       | (G) Printing ink applications  | (G) Acrylated polycarbonate polyol  |
| P-16-0225A  | 5 | 09/16/2019 |                           | (S) The notified substance<br>will be used as a fragrance<br>ingredient, being blended<br>(mixed) with other fragrance<br>ingredients to make fragrance<br>oils that will be sold to<br>industrial and commercial<br>customers for their<br>incorporation into soaps,<br>detergents, cleaners, air<br>fresheners, candles and other<br>similar industrial, household<br>and consumer products. | (S) isomer mixture of Cyclohexanol, 4-ethylidene-2-propoxy- (C<br>1631145-48-6) (35-45%) and Cyclohexanol, 5-ethylidene-2-prop<br>(CAS 1631145-49-7) (45-55%) |
| P-16-0225A  | 6 | 09/16/2019 |                           | (S) The notified substance<br>will be used as a fragrance<br>ingredient, being blended<br>(mixed) with other fragrance<br>ingredients to make fragrance  | (S) isomer mixture of Cyclohexanol, 4-ethylidene-2-propoxy- (C<br>1631145-48-6) (35-45%) and Cyclohexanol, 5-ethylidene-2-prop<br>(CAS 1631145-49-7) (45-55%) |

|            |    |            |                             | oils that will be sold to<br>industrial and commercial<br>customers for their<br>incorporation into soaps,<br>detergents, cleaners, air<br>fresheners, candles and other<br>similar industrial, household<br>and consumer products. |  |
|------------|----|------------|-----------------------------|---|--|
| P-16-0410A | 5  | 09/18/2019 | CBI                         | (G) Automotive engine fluid additive  | (G) Silicophosphonate - sodium silicate  |
| P-16-0438A | 14 | 05/27/2019 | СВІ                         | (S) Intermediate for pesticide inert  | (S) 3-Butenenitrile, 2-(acetyloxy)   |
| P-16-0442A | 6  | 09/04/2019 | СВІ                         | (G) Polymer for coatings  | (G) Carboxylic acids, unsaturated, polymers with disubstituted ar<br>alkanediol, substituted alkylpropanoic acid, alkanedioic acid and<br>substituted isocyanatocycloalkane, compds with alkylamine                  |
| P-16-0443A | 6  | 09/04/2019 | СВІ                         | (G) Polymer for coatings  | (G) Carboxylic acids, unsaturated, hydrogenated polymers with<br>disubstituted amine, alkanediol, substituted alkylpropanoic acid,<br>alkanedioic acid and substituted isocyanatocycloalkane, compds v<br>alkylamine |
| P-16-0444A | 6  | 09/04/2019 | СВІ                         | (G) Polymer for coatings  | (G) Carboxylic acids, unsaturated, polymers with substituted<br>alkanediamine, alkanediol, substituted alkylpropanoic acid,<br>alkanedioic acid and substituted isocyanatocycloalkane, compds v<br>alkylamine        |
| P-16-0445A | 6  | 09/04/2019 | СВІ                         | (G) Polymer for coatings  | (G) Carboxylic acids, unsaturated, hydrogenated polymers with<br>substituted alkanediamine, alkanediol, substituted alkylpropanoic<br>alkanedioic acid and substituted isocyanatocycloalkane, compds<br>alkylamine   |
| P-16-0509A | 11 | 03/26/2019 | СВІ                         | (G) For packaging<br>application, and Resin or<br>film/sheet for the industrial<br>use  | (G) Modified ethylene-vinyl alcohol copolymer  |
| P-16-0541A | 5  | 08/21/2019 | Specialty<br>Organics, Inc. | (S) Adhesive for wood particle/chip/fiberboard.   | (S) Soybean meal, reaction products with phosphoric trichloride  |
| P-17-0003A | 10 | 09/03/2019 | СВІ                         | (G) Printing ink applications   | (G) Styrene(ated) copolymer with alkyl(meth)acrylate, and (meth)acrylic acid   |

| P-17-0016A | 6 | 09/03/2019 | СВІ | (G) Polymer for coatings                 | (G) hydroxyl alkyl acrylate ester, polymer with acrylates, aromati vinyl monomer, cycloaliphatic lactone, and alkyl carboxylic acid, peroxide initiated                        |
|------------|---|------------|-----|--|--|
| P-17-0017A | 6 | 09/03/2019 | СВІ | (G) Polymer for coatings                 | (G) hydroxyl alkyl acrylate ester, polymer with acrylates, aromati vinyl monomer, cycloaliphatic lactone, and alkyl carboxylic acid, peroxide initiated                        |
| P-17-0018A | 6 | 09/03/2019 | СВІ | (G) Polymer for coatings                 | (G) hydroxyl alkyl acrylate ester, polymer with acrylates, aromati<br>vinyl monomer, cycloaliphatic lactone, and alkyl carboxylic acid,<br>Azobis[aliphatic nitrile] initiated |
| P-17-0019A | 6 | 09/03/2019 | СВІ | (G) Polymer for coatings                 | (G) hydroxyl alkyl acrylate ester, polymer with acrylates, aromati vinyl monomer, cycloaliphatic lactone, and alkyl carboxylic acid, peroxide initiated                        |
| P-17-0020A | 6 | 09/03/2019 | СВІ | (G) Polymer for coatings                 | (G) hydroxyl alkyl acrylate ester, polymer with acrylates, aromati vinyl monomer, cycloaliphatic lactone, and alkyl carboxylic acid, peroxide initiated                        |
| P-17-0021A | 6 | 09/03/2019 | СВІ | (G) Polymer for coatings                 | (G) hydroxyl alkyl acrylate ester, polymer with acrylates, aromati vinyl monomer, cycloaliphatic lactone, and alkyl carboxylic acid, Azobis[aliphatic nitrile] initiated       |
| P-17-0026A | 4 | 09/03/2019 | СВІ | (G) Industrial Ink printing applications | (G) Cycloaliphatic diamine, polymer with .alpha-hydroomega<br>hydroxypoly(oxy-alkanediyl), .alpha-hydroomegahydroxypoly<br>alkanediyl), and cycloaliphatic diisocyanate        |
|            |   |            |     |  | (G) Cycloalkyl, bis(ethoxyalkyl)-, trans-  |
| P-17-0086A | 3 | 09/10/2019 | СВІ | (G) Perfume                              | Cycloalkyl, bis(ethoxyalkyl)-, cis-  |
| P-17-0121A | 5 | 09/04/2019 | CBI | (S) Polyurethane used in an adhesive     | (G) Methylene Diphenyl Diisocyanate Terminated Polyurethane l  |
| P-17-0152A | 4 | 08/29/2019 | СВІ | (G) Additive in home care products       | (G) Poly-(2-methyl-1-oxo-2-propen-1-yl) ester with Ethanaminiu N,N,N-trialkyl, chloride and methoxypoly(oxy-1,2-ethanediyl)  |
| P-17-0160A | 3 | 09/03/2019 | СВІ | (G) Binder                               | (G) 2-Propenoic acid, alkyl-, alkyl ester, polymer with alkyl<br>2-propenoate, dialkyloxoalkyl-2-propenamide and alkyl 2-propen  |
| P-17-0161A | 3 | 09/03/2019 | СВІ | (G) Binder                               | (G) 2-Propenoic acid, alkyl-, alkyl ester, polymer with alkyl<br>2-propenoate, dialkyloxoalkyl-2-propenamide, ethenylbenzene ar<br>alkyl 2-propenoate                          |

| P-17-0184A | 5 | 09/12/2019 | Colonial<br>Chemical, Inc.            | (S) Firefighting foams,<br>Personal Care Products,<br>Shampoos, Conditioners,<br>Facial Washes,<br>Transportation Washes, and<br>Industrial All-Purpose<br>Cleaners   | (S) 1-Propanaminium, 2-hydroxy-N, N-dimethyl-N-[3-[(1-oxooctamino]propyl]-3-sulfo-, inner salt  |
|------------|---|------------|---------------------------------------|---|---|
| P-17-0200A | 5 | 09/16/2019 | СВІ                                   | (S) Monomer for use to<br>manufacture of a high<br>performance polymer.   | (G) 1,3-bis(substitutedbenzoyl)benzene  |
| P-17-0204A | 5 | 09/16/2019 | СВІ                                   | (S) Monomer for high performance polymer.   | (G) 1,4-bis(substitutedbenzoyl)benzene  |
| P-17-0205A | 6 | 09/16/2019 | СВІ                                   | <ul><li>(S) Monomer for high</li><li>performance polymer and,</li><li>(G) A-n process reagent.</li></ul>  | (G) bis(fluorobenzoyl)benzene   |
| P-17-0207A | 5 | 09/03/2019 | СВІ                                   | (G) Paint   | (G) 2-alkenoic acid, 2 alkyl, 2 alkyl ester, polymer with alkyl<br>alkenoate, carbomonocyle, alkyl alkenoate and alkyl alkenoate, a<br>peroxide initiated |
| P-17-0233A | 3 | 09/23/2019 | Solenis LLC                           | (S) Creping Aid for Yankee<br>Dryers to manufacture tissue<br>and towel paper   | (G) Oxyalkylene modified polyalkyl amine alkyl diacid polymer<br>2-(chloromethyl)oxirane  |
| P-17-0298A | 3 | 09/06/2019 | GE Water &<br>Process<br>Technologies | (S) The notified substance is<br>described as a hydrogen<br>sulfide scavenger used in<br>controlling hydrogen sulfide<br>in the vapor space of fuel<br>storage, shipping vessels and<br>pipelines. It is designed to<br>reduce the health, safety and<br>environmental hazards of<br>handling fuels containing<br>H2S. The substance reacts<br>selectively with (neutralizes)<br>and removes H2S to help<br>meet product and process<br>specifications. | (S) Formaldehyde, homopolymer, reaction products with N-propy<br>1-propanamine  |

| P-17-0329A | 10 | 09/05/2019 | СВІ                             | (G) Intermediate used in synthesis                            | (G) Substituted haloaromatic trihaloalkyl-aromatic alkanone   |
|------------|----|------------|---------------------------------|---|---|
| P-17-0346A | 10 | 09/12/2019 | CBI                             | (G) Destructive use   | (G) Propyl Phosphonium Salt   |
| P-17-0347A | 4  | 09/12/2019 | Sasol<br>Chemicals<br>(USA) LLC | (G) Oilfield Surfactant                                       | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(2-butyloctyl ether   |
| P-17-0348A | 4  | 09/12/2019 | Sasol<br>Chemicals<br>(USA) LLC | (G) Oilfield Surfactant                                       | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(2-hexyldecy ether  |
| P-17-0349A | 4  | 09/12/2019 | Sasol<br>Chemicals<br>(USA) LLC | (G) Oilfield Surfactant                                       | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(2-octyldode ether  |
| P-17-0350A | 4  | 09/12/2019 | Sasol<br>Chemicals<br>(USA) LLC | (G) Oilfield Surfactant                                       | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(2-<br>decyltetradecyl) ether   |
| P-17-0351A | 4  | 09/12/2019 | Sasol<br>Chemicals<br>(USA) LLC | (G) Oilfield Surfactant                                       | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(2-<br>dodecylhexadecyl) ether  |
| P-17-0352A | 4  | 09/12/2019 | Sasol<br>Chemicals<br>(USA) LLC | (G) Oilfield Surfactant                                       | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(2-<br>tetradecyloctadecyl) ether   |
| P-17-0387A | 6  | 09/03/2019 | CBI                             | (G) Paint   | (G) Dicarboxylic acids, polymers with alkanoic acid, alkanediol,<br>susbtituted-alkylalkanoic acid, substituted alkyl carbomonocyle,<br>alkanedioic acid and alkanediol, alkanolamine blocked, compds v<br>alkanolamine |
| P-17-0388A | 6  | 09/03/2019 | CBI                             | (G) Paint   | (G) Dicarboxylic acids, polymers with alkanoic acid, alkanediol,<br>susbtituted-alkylalkanoic acid, substituted alkyl carbomonocyle,<br>alkanedioic acid and alkanediol, alkanolamine blocked, compds v<br>alkanolamine |
| P-17-0398A | 11 | 03/21/2019 | Nexus Fuels                     | (G) Wax- Component of<br>complex formulations for<br>blending | (G) Branched Cyclic and Linear Hydrocarbons from Plastic Depolymerization   |
| P-17-0398A | 13 | 08/22/2019 | Nexus Fuels                     | (G) Component of complex formulations for blending            | (G) Branched Cyclic and Linear Hydrocarbons from Plastic Depolymerization   |

| P-17-0399A | 11 | 03/21/2019 | Nexus Fuels                | (G) Stock use  | (G) Alkane, Alkene, Styrenic Compounds Derived from Plastic Depolymerization   |
|------------|----|------------|----------------------------|--|--|
| P-17-0399A | 13 | 08/22/2019 | Nexus Fuels                | (G) Stock use  | (G) Alkane, Alkene, Styrenic Compounds Derived from Plastic Depolymerization   |
| P-18-0001A | 10 | 03/21/2019 | Nexus Fuels                | (G) Additive   | (G) Carbon compound derived from plastic depolymerization  |
| P-18-0001A | 12 | 08/23/2019 | Nexus Fuels                | (G) Additive   | (G) Carbon compound derived from plastic depolymerization  |
| P-18-0012A | 5  | 09/18/2019 | CBI                        | (G) Adhesives  | (G) Polyester polyol   |
| P-18-0018A | 5  | 09/03/2019 | Kyodo Yushi<br>USA, Inc.   | (G) Lubricant  | (G) Fluorinated acrylate, polymer with alkyloxirane homopolyme<br>monoether with alkanediol mono(2-methyl-2-propenoate), tert-Bu<br>2-ethylhexaneperoxoate-initiated   |
| P-18-0021A | 3  | 09/03/2019 | СВІ                        | (G) Paint  | (G) Dicarboxylic acids, polymers with substituted poly( substituted alkendiyl) ,3-hydroxy-2-(hydroxyalkyl)-2-alkylalkenoic acid, 5-substituted-1-(substituted alkyl)-1,3,3-trialkyl carbomonocyle, alkanediol, alkane-triol, alcohol blocked compounds with aminoalcohol |
| P-18-0028A | 8  | 08/23/2019 | Nexus Fuels                | (G) Feedstock, blending  | (G) Branched cyclic and linear hydrocarbons from plastic depolymerization  |
| P-18-0049A | 7  | 09/20/2019 | СВІ                        | (G) Coating<br>component/processing aid  | (G) Mixed metal halide   |
| P-18-0056A | 8  | 09/26/2019 | CBI                        | (S) Rubber Adhesion<br>promoter. Use in the<br>manufacturing process of<br>tires. The PMN chemical<br>improves the bonding of<br>rubber to metal; acts as an<br>oxygen scavenger in various<br>applications. | (S) Cobalt Neodecanoate Propionate complexes   |
| P-18-0061A | 4  | 08/29/2019 | CBI                        | (G) Industrial coating hardners  | (G) Alkyl methacrylates, polymer with alkyl acrylates, styrene<br>hydroxyalkyl acrylates, novalac epoxy and epoxy modified acryli<br>with organic amines   |
| P-18-0063A | 2  | 09/17/2019 | Ethox<br>Chemicals,<br>LLC | (G) This material is used as a<br>lubricant additive for<br>applications such as<br>stamping, forming, cutting,<br>drilling, or otherwise working  | (G) alcohol alkoxylate phosphate,  |

|            |   |            |                        | metals.  |   |
|------------|---|------------|------------------------|--|---|
| P-18-0074A | 3 | 08/21/2019 | CBI                    | (S) A precursor used in the<br>synthesis of quantum dots<br>that are used as a component<br>to make an optical down<br>converter, and, Component in<br>an optical down converter                                 | (G) Saturated fatty acid, reaction products with cadmium zinc sel sulfide and polymeric amine   |
| P-18-0076A | 2 | 09/03/2019 | CBI                    | (G) Plastic additive   | (G) 1,3,5-Triazine-2,4-Diamine Derivative   |
| P-18-0084A | 7 | 08/14/2019 | ShayoNano<br>USA, Inc. | (S) Additive for paints and coatings   | (S) silicon zinc oxide  |
| P-18-0105A | 2 | 09/19/2019 | Reagens USA<br>Inc.    | (S) This product is used in<br>rigid and flexible PVC<br>processing as a booster of<br>PVC stabilisers. It improves<br>long term stability, initial<br>colour and the weathering<br>performance of end products. | (S) Phosphorous acid, triisotridecyl ester  |
| P-18-0109A | 3 | 08/30/2019 | CBI                    | (G) Additive, open, non-<br>dispersive use   | (G) 2-Alkenoic acid, 2-alkyl-, alkyl ester, polymer with<br>2-(dialkylamino)alkyl 2-alkyl-2-alkenoate, alkyl 2-alkyl-2-alkeno<br>and ¿-(2-alkyl-1-oxo-2-alken-1-yl)-¿-alkoxypoly(oxy-1,2-alkanec<br>[(1-alkoxy-2-alkyl-1-alken-1-yl)oxy]trialkylsilane-initiated, |
| P-18-0144A | 4 | 09/05/2019 | CBI                    | (G) Curing agent   | (G) Formaldehyde, polymer with an alkane diamine and phenol,  |
| P-18-0144A | 5 | 09/18/2019 | CBI                    | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications  | (G) Formaldehyde, polymer with an alkane diamine and phenol   |
| P-18-0152A | 3 | 07/05/2018 | CBI                    | (G) Intermediate for use in manufacturing  | (G) Hydrolyzed Functionalized Di-amino Silanol Polymer  |
| P-18-0154A | 7 | 09/03/2019 | CBI                    | (G) Crosslinking agent for coatings  | (G) Isocyanic acid, polyalkylenepolycycloalkylene ester, 2-alkox<br>alkanol and 1-alkoxy alkanol and alkylene diol blocked  |
| P-18-0155A | 4 | 05/03/2019 | CBI                    | (G) Component in cement  | (G) Crosslinked polymer of alkyl acrylamides, acrylate esters, an alkyl acrylamide sulfonate salt   |
| P-18-0155A | 5 | 05/06/2019 | CBI                    | (G) Component in cement  | (G) Crosslinked polymer of alkyl acrylamides, acrylate esters, an alkyl acrylamide sulfonate salt   |
| P-18-0155A | 6 | 08/06/2019 | CBI                    | (G) Component in cement  | (G) Crosslinked polymer of alkyl acrylamides, acrylate esters, an alkyl acrylamide sulfonate salt   |

| P-18-0156A | 4  | 05/03/2019 | CBI                    | (G) Component in cement   | (G) Crosslinked polymer of alkyl acrylamides, acrylate esters, an alkyl acrylamide sulfonic acid  |
|------------|----|------------|------------------------|---|---|
| P-18-0156A | 5  | 05/06/2019 | CBI                    | (G) Component in cement   | (G) Crosslinked polymer of alkyl acrylamides, acrylate esters, an alkyl acrylamide sulfonic acid  |
| P-18-0156A | 6  | 08/06/2019 | СВІ                    | (G) Component in cement   | (G) Crosslinked polymer of alkyl acrylamides, acrylate esters, an alkyl acrylamide sulfonic acid  |
| P-18-0160A | 3  | 02/20/2019 | СВІ                    | (G) Coating component   | (G) Heteropolycyclic, halo substituted alkyl substituted- diaromat<br>amino substituted carbomonocycle, halo substituted alkyl substitu<br>heteropolycyclic, tetraaromatic metalloid salt (1:1) |
| P-18-0170A | 6  | 05/23/2018 | СВІ                    | (G) Textile treatment   | (S) 1-Propanaminium, N,N'-(oxydi-2,1-ethanediyl)bis[3-chloro-<br>2-hydroxy-N,N-dimethyl-, dichloride  |
| P-18-0172A | 10 | 04/04/2019 | CBI                    | (S) Category of use: by<br>function and application i.e. a<br>dispersive dye for finishing<br>polyester fibers) | (S) Calcium, carbonate 2-ethylhexanoate neodecanoate propionat complex  |
| P-18-0172A | 11 | 06/25/2019 | CBI                    | (S) Category of use: by<br>function and application i.e. a<br>dispersive dye for finishing<br>polyester fibers) | (S) Calcium, carbonate 2-ethylhexanoate neodecanoate propionat complex  |
| P-18-0172A | 12 | 08/21/2019 | CBI                    | (S) Category of use: by<br>function and application i.e. a<br>dispersive dye for finishing<br>polyester fibers) | (S) Calcium, carbonate 2-ethylhexanoate neodecanoate propionat complex  |
| P-18-0192A | 3  | 09/12/2019 | Archroma<br>U.S., Inc. | (S) Optical brightener for use in paper applications.   | (G) Benzenesulfonic acid, (alkenediyl)bis[ [ [(hydroxyalkyl)amin<br>(phenylamino)-triazin-2-yl]amino]-, N-(hydroxyalkyl) derivs., sa<br>compds. with polyalkyl-substituted(alkanol)             |
| P-18-0197A | 3  | 09/04/2019 | СВІ                    | (G) Polymer composite<br>additive   | (G) Metal, alkylcarboxylate oxo complexes   |
| P-18-0202A | 5  | 06/21/2018 | Hexion Inc             | (G) Tackifier additives and<br>Rubber additive  | (G) Trialkyl alkanal, polymer with phenol   |
| P-18-0202A | 6  | 05/23/2019 | Hexion Inc             | (G) Tackifier additives and<br>Rubber additive  | (G) Trialkyl alkanal, polymer with phenol   |
| P-18-0203A | 5  | 06/21/2018 | Hexion Inc             | (G) Tackifier additives and<br>Rubber additive  | (G) Trialkyl alkanal, polymer with alkylalkanal and phenol  |

| P-18-0203A | 6 | 05/23/2019 | Hexion Inc              | (G) Rubber additive and<br>Tackifier additives  | (G) Trialkyl alkanal, polymer with alkylalkanal and phenol  |
|------------|---|------------|-------------------------|---|---|
| P-18-0204A | 5 | 06/21/2018 | Hexion Inc              | (G) Tackifier additive and<br>Rubber additive   | (G) Alkyl alkanal, polymer with phenol  |
| P-18-0204A | 6 | 05/23/2019 | Hexion Inc              | (G) Rubber additive and<br>Tackifier additives  | (G) Alkyl alkanal, polymer with phenol  |
| P-18-0205A | 5 | 06/21/2018 | Hexion Inc              | (G) Rubber additive and<br>Tackifier additive   | (G) Alkyl alkanal, polymer with formaldehyde and phenol   |
| P-18-0205A | 6 | 05/23/2019 | Hexion Inc              | (G) Rubber additive and<br>Tackifier additive   | (G) Alkyl alkanal, polymer with formaldehyde and phenol   |
| P-18-0206A | 5 | 06/21/2018 | Hexion Inc              | (G) Rubber additive and<br>Tackifier  | (G) Alkanal, polymer with phenol  |
| P-18-0206A | 6 | 05/23/2019 | Hexion Inc              | (G) Rubber additive and<br>Tackifier additive   | (G) Alkanal, polymer with phenol  |
| P-18-0207A | 4 | 09/04/2019 | CBI                     | (G) Polymer composite<br>additive   | (G) Metal, oxo alkylcarboxylate complexes   |
| P-18-0223A | 3 | 09/14/2019 | Clariant<br>Corporation | (S) Selectivity improver for<br>catalysts used in the<br>production of polyolefins.                           | (G) Alkane, bis(alkoxymethyl)-dimethyl-   |
| P-18-0234A | 5 | 05/31/2019 | СВІ                     | (G) Coating component   | (G) Alkenoic acid, reaction products with bis substituted alkane a ether polyol   |
| P-18-0237A | 8 | 07/13/2019 | СВІ                     | (G) Use in print resins   | (G) Alkanediol, polymer with 5-isocyanato-1-(isocyanatomethyl)<br>1,3,3-trimethylcyclohexane, alkylaminoalkyl methacrylate-, and<br>dialkylheteromonocycle-blocked  |
| P-18-0256A | 3 | 09/19/2019 | СВІ                     | (G) Solvent and Chemical intermediate   | (S) Undecanol, branched   |
| P-18-0262A | 5 | 09/16/2019 | Seppic                  | (S) Function: Stabilizer of<br>suspensions Applications:<br>Detergency  | (S) 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with<br>ammonium 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-<br>1-propanesulfonate (1:1), N,N-dimethyl-2-propenamide and .alph<br>(2-methyl-1-oxo-2-propen-1-yl)omega(dodecyloxy)poly(oxy-1<br>ethanediyl) |
| P-18-0287A | 6 | 02/11/2019 | CBI                     | (G) Company plans to<br>produce "tires, wastes,<br>pyrolyzed, condensate oil<br>fraction" (hereafter referred | (G) Synthetic oil from tires  |

|            |   |            |     | to as syn oil) (CASRN:<br>1312024-02-4) from scrap<br>tire materials. The synthetic<br>oil fraction from tire waste<br>pyrolysis can be used in a<br>variety of industries. Some<br>examples of use of synthetic<br>oil include use as a fuel,<br>upgraded for use as a higher<br>quality fuel, as an additive for<br>asphalt or other complex<br>mixtures, used to<br>manufacture other chemicals,<br>etc.<br>(G) Company plans to  |                              |
|------------|---|------------|-----|--|------------------------------|
| P-18-0287A | 7 | 02/28/2019 | СВІ | produce "tires, wastes,<br>pyrolyzed, condensate oil<br>fraction" (hereafter referred<br>to as syn oil) (CASRN:<br>1312024-02-4) from scrap<br>tire materials. The synthetic<br>oil fraction from tire waste<br>pyrolysis can be used in a<br>variety of industries. Some<br>examples of use of synthetic<br>oil include use as a fuel,<br>upgraded for use as a higher<br>quality fuel, as an additive for<br>asphalt or other complex<br>mixtures, used to<br>manufacture other chemicals,<br>etc. | (G) Synthetic oil from tires |
| P-18-0287A | 8 | 05/22/2019 | СВІ | (G) Company plans to<br>produce "tires, wastes,<br>pyrolyzed, condensate oil<br>fraction" (hereafter referred<br>to as syn oil) (CASRN:  | (G) Synthetic oil from tires |

|            |   |            |     | 1312024-02-4) from scrap<br>tire materials. The synthetic<br>oil fraction from tire waste<br>pyrolysis can be used in a<br>variety of industries. Some<br>examples of use of synthetic<br>oil include use as a fuel,<br>upgraded for use as a higher<br>quality fuel, as an additive for<br>asphalt or other complex<br>mixtures, used to<br>manufacture other chemicals,<br>etc. |   |
|------------|---|------------|-----|---|---|
| P-18-0289A | 3 | 02/15/2019 | CBI | (G) Gas scrubbing,) landfill<br>deoderizing, and wastewater<br>deoderizing  | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol       |
| P-18-0290A | 3 | 02/15/2019 | CBI | (G) Gas scrubbing, Landfill<br>odor neutralizing, and<br>wastewater deoderizing   | (G) Carbomonocylic-oxazolidine                              |
| P-18-0293A | 4 | 08/02/2019 | CBI | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, and formulated<br>industrial adhesives   | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester      |
| P-18-0293A | 5 | 08/06/2019 | CBI | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, and formulated<br>industrial adhesives   | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester      |
| P-18-0294A | 4 | 08/02/2019 | CBI | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, and formulated<br>industrial adhesives   | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester |
| P-18-0294A | 5 | 08/06/2019 | CBI | (S) Monomer for use in<br>emulsion polymers,(S)   | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester |

|            |   |            |     | Monomer for use in<br>formulated industrial<br>coatings,(S) Monomer for use<br>in formulated industrial<br>adhesives  |                           |
|------------|---|------------|-----|---|---------------------------|
| P-18-0295A | 5 | 08/22/2019 | CBI | <ul> <li>(G) Ingredient in the manufacture of consumer cleaning products and use as monomer in the manufacture of resins for use in paint and coating products.</li> <li>(S) Use as a monomer in the manufacture of plastic products. In this process the notified substance is reacted with one or more other compounds to become part of a polymer. Depending on the reactants involved, the final polymer can be a resin used to make molded plastic products or the final polymer used as a plasticizer.</li> </ul> |                           |
| P-18-0295A | 6 | 09/25/2019 | CBI | <ul> <li>(G) Ingredient in the manufacture of consumer cleaning products and use as monomer in the manufacture of resins for use in paint and coating products.</li> <li>(S) Use as a monomer in the manufacture of plastic</li> </ul>  | (S) 1,3-Butanediol, (3R)- |

|            |   |            |   | products. In this process the<br>notified substance is reacted<br>with one or more other<br>compounds to become part of<br>a polymer. Depending on the<br>reactants involved, the final<br>polymer can be a resin used<br>to make molded plastic<br>products or the final polymer<br>can be a shorter polymer used<br>as a plasticizer. |   |
|------------|---|------------|---|---|---|
| P-18-0323A | 4 | 09/20/2019 | KURARAY<br>America, Inc.                | (G) Raw material for polymer manufacturing  | (S) 2-Propenoic acid, 2-methyl-, 3-methyl-3-buten-1-yl ester      |
| P-18-0327A | 5 | 09/18/2019 | CBI                                     | (G) Filler for non-dispersive resins.   | (G) Mixed Metal Oxide   |
| P-18-0336A | 4 | 07/12/2019 | Sirrus, Inc.                            | (S) Intermediate use  | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dihexyl ester |
| P-18-0337A | 4 | 07/12/2019 | Sirrus, Inc.                            | (S) Intermediate use  | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dicyclohexyl  |
| P-18-0358A | 2 | 10/18/2018 | Shikoku<br>International<br>Corporation | (S) Used as a curing agent<br>within carbon fiber reinforced<br>plastics (CFRP) prepreg to<br>expedite the hardening<br>process during the final<br>thermosetting operation and<br>as a curing agent in industrial<br>adhesives for electronics to<br>expedite the hardening<br>process during the final<br>thermosetting operation.    | (S) 1H-Imidazole-1-propanenitrile,2-ethyl-ar-methyl-              |
| P-18-0358A | 3 |            | Shikoku<br>International<br>Corporation | (S) Used as a curing agent<br>within carbon fiber reinforced<br>plastics (CFRP) prepreg to<br>expedite the hardening<br>process during the final<br>thermosetting operation and<br>as a curing agent in industrial<br>adhesives for electronics to  | (S) 1H-Imidazole-1-propanenitrile,2-ethyl-ar-methyl-              |

|            |   |            |                       | expedite the hardening<br>process during the final<br>thermosetting operation  |  |
|------------|---|------------|-----------------------|--|--|
| P-18-0374A | 4 | 09/05/2019 | Evonik<br>Corporation | (S) Additive in a water-borne<br>coating formulation, Glass<br>fiber sizing, and Fillers,<br>pigments and glass bead<br>treatment  | (G) Cationic aminomodified alkylpolysiloxane   |
| P-18-0378A | 4 | 08/29/2019 | CBI                   | (G) Industrial coatings<br>additive  | (G) Acrylic and Methacrylic acids and esters, polymer with<br>alkenylimidazole, alkyl polyalkylene glycol, alkenylbenzene,<br>alkylbenzeneperoxoic acid ester initiated, compds. with<br>Dialkylaminoalkanol       |
| P-18-0392A | 2 | 08/22/2019 | CBI                   | (G) Intermediate chemical  | (G) Heteromonocycle, alkenyl alkyl   |
| P-18-0392A | 3 | 09/13/2019 | CBI                   | (G) Intermediate chemical  | (G) Heteromonocycle, alkenyl alkyl   |
| P-18-0399A | 6 | 09/12/2019 | CBI                   | (G) Open, non-dispersive use<br>additive for industrial use<br>only  | (G) Rosin adduct ester, polymer with polyols, compd. with ethanolamine   |
| P-18-0400A | 6 | 08/30/2019 | CBI                   | (G) Open, non-dispersive use, additive for textile industry  | (G) Rosin adduct ester, polymer with polyols, potassium salt   |
| P-18-0404A | 7 | 09/25/2019 | CBI                   | (S) The substance is part of a<br>mixture with other amines to<br>act as a curative for a 2-part<br>epoxy formulation. The<br>intended use is the<br>manufacture of wind turbine<br>blades. During manufacture<br>of the blades this substance<br>forms part of the in mold<br>coating system which is<br>applied to the blade mold and<br>further laminated with glass<br>(or carbon) reinforced fibres<br>(GRP). The manufactured<br>structure is then "cured"<br>using heat and a chemical<br>reaction occurs forming a | (G) alkylmultiheteroatom,2-functionalisedalkyl-2-hydroxyalkyl-,<br>polymer with alkylheteroatom-multialkylfunctionalised<br>carbomonocyleheteroatom and multiglycidylether difunctionalise<br>polyalkylene glycol. |

|            |   |            |   | solid composite structure.<br>The PMN substance is<br>reacted during the cure<br>process into the solid plastic<br>matrix and therefore not<br>present in the finished cured<br>part. Use of this product will<br>enhance the life of renewable<br>energy source provided by<br>wind turbines therefore<br>contributing to the reduction<br>in fossil fuel usage.   |  |
|------------|---|------------|---|---|--|
| P-18-0414A | 2 | 09/06/2019 | CBI   | (G) Lubricant additive  | (G) 2-alkenoic acid ester, polymer with alkyloxirane polymer wit<br>oxirane di-alkenoate, alkyloxirane polymer with oxirane mono-<br>alkenoate, -(2-alkyl-1-oxo-2-alken-1-yl)[(2-alkyl-1-oxo-2-alken<br>1-yl)oxy]poly(oxyalkanediyl), fluorinated acrylate and<br>siloxanylalkanoate, alkylperoxoate-initiated |
| P-19-0024A | 7 | 07/25/2019 | Sales and<br>Distribution<br>Services, Inc. | (S) Hot Mix Asphalt<br>Application: The PMN<br>compound will be used as<br>asphalt additive for hot mix<br>(HMA) as well as cold mix<br>(CMA) asphalt applications.<br>The PMN substance<br>chemically reacts with the<br>surface of the aggregate and<br>changes surface<br>characteristics of aggregate<br>from hydrophilic to<br>hydrophobic. This change<br>provides stronger bonding<br>between asphalt and<br>aggregates and reduces the<br>potential for stripping away<br>asphalt binder from an<br>aggregate due to water.<br>Asphalt Emulsion | (S) 1-Octadecanaminium, N,N-dimethyl-<br>N-[3-(trimethoxysilyl)propyl]-, chloride (1:1), reaction products<br>water, Trimethoxy(propyl) silane, Trimethoxy(methyl)silane,<br>Tetraethyl orthosilicate and ethane-1,2-diol  |

|            |   |             |                                   | Application: The PMN<br>substance is water soluble<br>and can be used as an asphalt<br>emulsion in road<br>construction. This additive<br>provides better bonding with<br>ground surface, quick drying<br>and reduced tire pickup of the<br>asphalt emulsion by<br>application equipment. |   |
|------------|---|-------------|-----------------------------------|---|---|
| P-19-0028A | 8 | 05/14/2019  | CBI                               | (G) Lubricating oil additive  | (G) Alkyl salicylate, metal salts   |
| P-19-0028A | 9 | 08/23/2019  | CBI                               | (G) Lubricating oil additive  | (G) Alkyl salicylate, metal salts   |
| P-19-0041A | 2 | 09/23/2019  | CBI                               | (G) Oil water separation  | (G) Alkyl diester, polymer with (dialkylamino alkyl) amine and bis(halogenated alkyl) ether   |
| P-19-0042A | 2 | 09/23/2019  | CBI                               | (G) Oil water separation  | (G) Alkyl diester, polymer with (dialkylamino alkyl) amine and bis(halogenated alkyl) ether   |
| P-19-0043A | 2 | 09/23/2019  | CBI                               | (G) Oil water separation  | (G) Alkyl dicarboxylic acid, polymer with (dialkylamino alkyl) a and bis(halogenated alkyl) ether   |
| P-19-0044A | 2 | 09/23/2019  | CBI                               | (G) Oil water separation  | (G) Alkyl bis(dialkylamino alkyl) amide polymer with bis(haloge alkyl) ether  |
| P-19-0048A | 3 | 09/16/2019  | CBI                               | (G) Coating additive  | (S) Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-, m<br>C12-14-alkyl ethers, phosphates, sodium salts  |
| P-19-0052A | 3 | IU7/U1//U19 | Evonik<br>Corporation             | (S) Hard Surface Cleaner and<br>Component of Laundry<br>Detergent   | (S) Poly(oxy-1,2-ethanediyl), alpha-nonyl-omega-hydroxy-, bran and linear   |
| P-19-0058A | 3 | 09/24/2019  | ESSENTIAL<br>INDUSTRIES<br>INC    | (S) Wood Coating  | (S) Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propen-<br>1-yl)oxy]ethyl ester, polymer with butyl 2-propenoate,<br>ethenylbenzene, methyl 2-methyl-2-propenoate and 2-methyl-<br>2-popenoic acid, ammonium salt |
| P-19-0065A | 5 | 04/24/2019  | eScientia<br>Technologies,<br>LLC | (S) Fire retardant for thermal<br>plastics: Application: This<br>product is the environmental<br>protection Phosphazene flame<br>retardant. It does not produce<br>pollutants after burning. It is  | (S) 21ambda5, 41ambda5, 61ambda5 - 1,3,5,2,4,6 Triazatriphospho<br>2,2,4,4,6,6 - hexaphenoxy -  |

|            |   |               | mainly used in PC and ABS<br>resins. It has good flame                                      |
|------------|---|---------------|---|
|            |   |               | retardancy on epoxy resin, it   |
|            |   |               | can be used to make EMC for   |
|            |   |               | IC Packaging, its flame   |
|            |   |               | retardancy is much better   |
|            |   |               | than Brominated flame   |
|            |   |               | retardant. The flame  |
|            |   |               | retardancy can reach  |
|            |   |               | UL-94V0 grade. Oxygen   |
|            |   |               | index could reach 33.1%.  |
|            |   |               | When it is used in  |
|            |   |               | Benzoxazine Resin glass   |
|            |   |               | cloth laminate, if the HPCTP  |
|            |   |               | is 10%, the grade of burning  |
|            |   |               | could reach V-0 grade, the  |
|            |   |               | parallel breakdown voltage is   |
|            |   |               | 47KV. When it is used in  |
|            |   |               | Polyethylene, the LOI of final  |
|            |   |               | flame retardancy  |
|            |   |               | polyethylene could reach  |
|            |   |               | 30-33. After used in viscose  |
|            |   |               | spinning solution, we could   |
|            |   |               | get the flame retardant   |
|            |   |               | viscose fiber with oxygen   |
|            |   |               | index 25.3-26.7. If the added   |
|            |   |               | amount is 12% in PC/ ABS, it  |
|            |   |               | could pass the UL-94 V0 test.   |
|            |   |               | It also can be used in LED,   |
|            |   |               | powder coating, potting   |
|            |   |               | material and polymers.  |
|            |   |               | (S) Fire retardant for thermal  |
|            |   |               | plastics: Application: This   |
|            |   | eScientia     | product is the environmental (S) 21ambda5, 41ambda5, 61ambda5 - 1,3,5,2,4,6 Triazatriphospl |
| P-19-0065A | 6 | Technologies, | protection Phosphazene flame 224466 - heyanhenoxy -   |
|            |   | LLC           | retardant. It does not produce  |
|            |   |               | pollutants after burning. It is   |
|            |   |               | mainly used in PC and ABS   |

|            |   |            |                                   | resins. It has good flame<br>retardancy on epoxy resin, it<br>can be used to make EMC for<br>IC Packaging, its flame<br>retardancy is much better<br>than Brominated flame<br>retardant. The flame<br>retardancy can reach<br>UL-94V0 grade. Oxygen<br>index could reach 33.1%.<br>When it is used in<br>Benzoxazine Resin glass<br>cloth laminate, if the HPCTP<br>is 10%, the grade of burning |  |
|------------|---|------------|-----------------------------------|--|--|
|            |   |            |                                   | could reach V-0 grade, the<br>parallel breakdown voltage is<br>47KV. When it is used in<br>Polyethylene, the LOI of final<br>flame retardancy<br>polyethylene could reach<br>30-33. After used in viscose<br>spinning solution, we could<br>get the flame retardant<br>viscose fiber with oxygen<br>index 25.3-26.7. If the added  |  |
|            |   |            |                                   | amount is 12% in PC/ ABS, it<br>could pass the UL-94 V0 test.<br>It also can be used in LED,<br>powder coating, potting<br>material and polymers.  |  |
| P-19-0066A | 5 | 04/24/2019 | eScientia<br>Technologies,<br>LLC | (S) Fire retardant   | (S) 21ambda5, 41ambda5,- 1,3,5,2,4,6 Triazatriphosphorine,<br>2,2,4,4,6,6,-hexaphenoxy |
| P-19-0066A | 6 | 06/11/2019 | eScientia<br>Technologies,<br>LLC | •  | (S) 21ambda5, 41ambda5,- 1,3,5,2,4,6 Triazatriphosphorine,<br>2,2,4,4,6,6,-hexaphenoxy |

| P-19-0071A | 4 | 09/23/2019 | СВІ                         | (G) Physical property<br>modifier for polymers | (G) Trimethylolpropane, alkenoic acid, triester   |
|------------|---|------------|-----------------------------|--|---|
| P-19-0077A | 7 | 09/23/2019 | CBI                         | (G) Agricultural                               | (G) alkenylamide  |
| P-19-0099A | 4 | 08/29/2019 | Essential<br>Industries Inc | (S) Clear coat for wood                        | (S) Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, pol<br>with dimethyl carbonate, 1,2-ethanediamine, 2-ethyl-<br>2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol and 1,1'-<br>methylenebis[4-isocyanatocyclohexane], compd. with N,N-<br>diethylethanamine |
| P-19-0117A | 5 | 09/18/2019 | СВІ                         | (G) Additive                                   | (G) Polycyclic amine, reaction products with polyalkylalkene, polymers  |
| P-19-0118A | 3 | 08/30/2019 | СВІ                         | (G) Component of lubricant                     | (G) Substituted polyalkylenepoly, reaction products with alkene polymer   |
| P-19-0120A | 2 | 08/30/2019 | СВІ                         | (G) Component of ink                           | (G) Alkenoic acid, polymer with alkanediyl bis substituted alkyle<br>bis heteromonocycle, substituted carbomonocycle and (alkylalker<br>carbomonocycle, alkali metal salt   |
| P-19-0121A | 3 | 09/24/2019 | H.B. Fuller<br>Company      | (S) Industrial Adhesives                       | (G) PLANT BASED OILS, POLYMER WITH 1,1'-<br>METHYLENEBIS[4-ISOCYANATOBENZENE],<br>PENTAERYTHRITOL, PHTHALIC ESTERS, POLYPROPYLE<br>GLYCOL AND POLYPROPYLENE GLYCOL ETHER WITH<br>GLYCEROL (3:1)   |
| P-19-0130A | 4 | 09/16/2019 | СВІ                         | (G) Dye  | (G) Aminohydroxy naphthalenesulfonic acid, coupled with<br>diazotized[(aminophenyl)sulfonyl]ethyl hydrogen sulfate and<br>diazotized amino[ [(sulfooxy)ethyl]sulfonyl]benzenesulfonic acid<br>salts   |
| P-19-0130A | 5 | 09/20/2019 | СВІ                         | (G) Dye  | (G) Aminohydroxy naphthalenesulfonic acid, coupled with<br>diazotized[(aminophenyl)sulfonyl]ethyl hydrogen sulfate and<br>diazotized amino[ [(sulfooxy)ethyl]sulfonyl]benzenesulfonic acid<br>salts   |
| P-19-0130A | 6 | 09/20/2019 | СВІ                         | (G) dye  | (G) Aminohydroxy naphthalenesulfonic acid, coupled with<br>diazotized[(aminophenyl)sulfonyl]ethyl hydrogen sulfate and<br>diazotized amino[ [(sulfooxy)ethyl]sulfonyl]benzenesulfonic acid<br>salts   |
| P-19-0135  | 3 | 08/26/2019 | CBI                         | (G) Lubricant Additive                         | (G) Alkyl polyoxyethylene ethers, carboxymethylated,  |
| P-19-0140A | 2 | 09/25/2019 | CBI                         | (G) Intermediate                               | (G) Perfluorodioxaalkyl vinyl ether   |

| P-19-0141  | 3 | 09/19/2019 | CBI                                    | (S) For use in metal treatment coatings for lubrication and corrosion protection.   | (S) Phosphoric Acid, manganese(2+) salt (2:3); Phosphoric acid, manganese(2+) salt (4:5)  |
|------------|---|------------|--|---|---|
| P-19-0143A | 3 | 09/10/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent for<br>use in epoxy resin for water-<br>based coating for a variety of<br>substrates and civil<br>applications in commercial<br>and consumer usages. | (G) Aldehyde, polymer with mixed alkanepolyamines, 2,2'-[1,4-<br>alkanediylbis(oxyalkylene)] bis[oxirane], 2-(alkoxyalkyloxirane,<br>4,4'-(1-alkylidene)bis[phenol], 2,2'-[(1-alkylidene)bis(4,1-<br>alkyleneoxyalkylene)]bis[oxirane] and 2-(aryloxyalkyl)oxirane,<br>acetate (salt)   |
| P-19-0144A | 3 | 09/11/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent in<br>epoxy based self-leveling<br>floor coatings.   | (G) Alkanedioic Acid, compds. With substituted arylalkylamine-<br>arylalcohol disubstituted alkane-the diglycidyl ether of a arylalco<br>disubstituted alkane -epichlorohydrin-aldehyde-2,2'-[(1-<br>alkylidene)bis[4,1-aryleneoxy(alkyl-2,1-<br>alkanediyl)oxyalkylene]]bis[oxirane]-alkanepolyamine polymer-<br>[2-[(2-aminoalkyl)amino]alkyl]amino]-3-aryloxy-2-alcohol reacti<br>products |
| P-19-0147A | 3 | 09/09/2019 | CRODA INC.                             | (G) cleaning additive   | (G) alkoxylated butyl alkyl ester   |
| P-19-0153A | 3 | 09/24/2019 | Wego<br>Chemical<br>Group              | (S) Raw material in Flame<br>Retardant product  | (G) Dibromoalkyl ether Tetrabromobisphenol A  |
| P-19-0155  | 3 | 09/18/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant for agrochemical formulations  | (S) Amides, from C8-18 and C18-unsatd. glycerides and diethylenetriamine, ethoxylated   |
| P-19-0156  | 3 | 09/18/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant for agrochemical formulations  | (S) Amides, from diethylenetriamine and palm kernel-oil, ethoxy   |
| P-19-0157  | 3 | 09/18/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant in agrochemical formulations   | (S) Amides, from coconut oil and diethylenetriamine, ethoxylatec  |
| P-19-0158  | 2 | 09/16/2019 | Ashland Inc.                           | (G) Adhesive  | (G) Alkenoic acid polymer with 2-ethyl-2-(hdroxymethyl)-1,3-<br>alkyldiol, 1,1'-methylenebis(4-isocyantocarbomonocycle) and<br>3-methyl-1,5-aklydiol  |
| P-19-0158A | 3 | 09/25/2019 | Ashland Inc.                           | (G) Adhesive  | (G) Alkenoic acid polymer with 2-ethyl-2-(hdroxymethyl)-1,3-<br>alkyldiol, 1,1'-methylenebis(4-isocyantocarbomonocycle) and<br>3-methyl-1,5-aklydiol  |

| P-19-0159  | 2 | 09/03/2019 | CBI   | (G) As Catalyst in Industrial sector  | (G) Titanium (4+) hydroxy-alkylcarboxylate salt complex   |
|------------|---|------------|---|---|---|
| P-19-0159A | 4 | 09/17/2019 | CBI   | (G) As Catalyst in Industrial sector  | (G) Titanium (4+) hydroxy-alkylcarboxylate salt complex   |
| P-19-0160  | 1 | 09/06/2019 | CBI   | (S) Component of a UV<br>curable printing ink   | (G) Alkanesulfonic acid, 2-[(2-aminoethyl)heteroatom-substitute<br>sodium salt (1:1), polymer with alpha-[2,2-bis(hydroxymethyl)bu<br>omega-methoxypoly(oxy-1,2-ethanediyl) and 1,1'-methylenebis[-<br>isocyanatocyclohexane], acrylic acid-dipenthaerythritol reaction<br>products- and polypropylene glycol ether with pentaerythritol (4:<br>triacrylate-blocked |
| P-19-0161  | 1 | 09/07/2019 | CBI   | (S) Organic amine salt<br>mixture used as a foaming<br>agent in the production of<br>urethanes. | (G) Alkano1 amine salt mixture  |
| P-19-0162  | 1 | 09/11/2019 | CBI   | (G) Component in Oil<br>Production  | (G) fatty acid alkyl amide, (dialkyl) amino alkyl, alkyl quaternize salts   |
| P-19-0163  | 1 | 09/19/2019 | CBI   | (G) Well performance tracer   | (G) halogenated sodium benzoate   |
| P-19-0163A | 2 | 09/25/2019 |   | (G) Well performance tracer   | (G) halogenated sodium benzoate   |
| P-19-0164  | 1 | 09/20/2019 | Allnex USA<br>Inc.                              | (S) Site limited intermediate for coating resin manufacture.                                    | (G) Bis-alkoxy substituted alkane, polymer with aminoalkanol  |
| P-19-0165  | 1 | 09/23/2019 | Arboris, LLC                                    | (G) Plasticizer in rubber and Coating in minerals.  | (G) Tall oil pitch, fraction, sterol-low  |
| P-19-0166  | 1 | 09/25/2019 | Fujifilm<br>Electronic<br>Materials USA<br>Inc. | (G) Photoacid generator<br>(PAG)  | (G) Triarylsulfonium alkylestersulfonate,   |
| P-19-0167  | 1 |            | Santolubes<br>Manufacturing<br>LLC              | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases                               | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>hexanoate  |
| P-19-0168  | 2 | 09/26/2019 | CBI   | (G) Well performance tracer   | (G) Halogenated alkylbenzoic acid   |
| P-19-0169  | 2 | 09/26/2019 | CBI   | (G) Well performance monitor  | (G) Halogenated alkylbenzoic acid   |
| P-19-0170  | 1 | 09/25/2019 | CBI   | (S) Coupling agent in<br>elastomer-based formulations<br>that will be used in molding           | (G) Heteroatom-substituted alkyl triethoxysilane, reaction produc<br>with methylated formaldehyde-melamine polymer  |

|             |   |            |     | operations to manufacture<br>different types of rubber<br>articles including but not<br>limited to rubber tires. |                                   |
|-------------|---|------------|-----|--|-----------------------------------|
| P-19-0175   | 1 | 09/25/2019 | СВІ | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid |
| P-19-0176   | 1 | 09/25/2019 | СВІ | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid |
| P-19-0177   | 1 | 09/25/2019 | СВІ | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid |
| P-19-0178   | 1 | 09/25/2019 | СВІ | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid |
| P-19-0179   | 1 | 09/25/2019 | СВІ | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid |
| SN-18-0009A | 5 | 02/11/2019 | СВІ | (G) XX plans to produce<br>carbon char from tires<br>pyrolysis using scrap tire<br>materials.                    | (G) Carbon char from tires        |
| SN-18-0009A | 6 | 02/28/2019 | СВІ | (G) XX plans to produce<br>carbon char from tires<br>pyrolysis using scrap tire<br>materials.                    | (G) Carbon char from tires        |
| SN-19-0002A | 3 | 04/10/2019 | СВІ | (G) Friction and wear<br>stabilizer in certain solid<br>composite articles.                                      | (G) Potassium Titanate            |
| SN-19-0002A | 4 | 04/12/2019 | СВІ | (G) Friction and wear<br>stabilizer in certain solid<br>composite articles.                                      | (G) Potassium Titanate            |
| SN-19-0004A | 8 | 09/13/2019 | СВІ | (S) A lubricating agent used<br>in the production of<br>automotive disc brakes                                   | (G) pitch coke                    |
| SN-19-0004A | 9 | 09/19/2019 | СВІ | (S) A lubricating agent used<br>in the production of<br>automotive disc brakes                                   | (S) Coke (coal), secondary pitch  |

| J-20-0001  | 2 | 10/22/2019 | СВІ                                    | (G) Ethanol production  | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable.   |
|------------|---|------------|--|---|--|
| P-17-0299A | 4 | 10/15/2019 | СВІ                                    | (G) Paint additive  | (G) 2-Propenoic acid, alkyl -, polymers with alkyl acrylate and polyethylene glycol methacrylate alkyl ether   |
| P-17-0360A | 2 | 10/28/2019 | Sasol<br>Chemicals<br>(USA) LLC        | (G) Surfactant for oil and gas recovery   | (S) 2-propanol, 1-amino, compd. with a-sulfo-w-(decyloxy)poly(<br>1,2-ethanediyl) (1:1);(S) 2-propanol, 1-amino, compd. with a-sulf<br>w-(octyloxy)poly(oxy-1,2-ethanediyl) (1:1); |
| P-17-0362A | 2 | 10/04/2019 | CBI                                    | (G) Industrial flame retardant  | (G) Aliphatic phosphoric amide ester   |
| P-18-0019A | 2 | 10/28/2019 | Cabot<br>Corporation                   | (S) Dispersive pigment  | (G) Substituted Benzene, 4-[2-[2-hydroxy-3-[ [(3-<br>nitrophenyl)amino]carbonyl]-1-naphthalenyl]diazenyl]-, sodium (1:1)   |
| P-18-0034A | 2 | 09/30/2019 | CBI                                    | (S) Polyetheramine<br>carboxylate salt used as a<br>dispersing agent for pigments<br>in industrial paints and<br>coatings | (G) Polyetheramine carboxylate salt  |
| P-18-0093A | 3 | 10/15/2019 | СВІ                                    | (G) Additive to plastics  | (G) Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxane,<br>1,3,5,7,9,11,13,15-octakis (polyfluoroalkyl)-   |
| P-18-0094A | 3 | 10/15/2019 | СВІ                                    | (G) Additive to plastics  | (G) Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxanealkylsubstitut 3,5,7,9,11,13,15-heptakis(polyfluoroalkyl)-   |
| P-18-0095A | 3 | 10/15/2019 | СВІ                                    | (G) Additive to plastics  | (G) Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxanealkanol, 3,5,7,9,11,13,15-heptakis(polyfluoroalkyl)-, acetate  |
| P-18-0135A | 4 | 10/03/2019 | СВІ                                    | (G) Ingredient for household products   | (S) 1,2-Decanediol   |
| P-18-0143A | 6 | 10/01/2019 | Huntsman<br>International<br>LLC       | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications.  | (G) Fatty acids, tall-oil polymers with aminoalkyl, dialkyl alkane<br>diamine, polyalkylene polyamine alkanepolyamine fraction, and<br>tris-[(alkylamino) alkyl] phenol            |
| P-18-0151A | 6 | 10/23/2019 | Struers Inc.                           | (S) A curing agent for curing<br>epoxy systems  | (S) Formaldehyde, reaction products with 1,3-benzenedimethanai and p-tert-butylphenol  |
| P-18-0175A | 8 | 10/10/2019 | Hexion Inc                             | (S) Food can coating, and<br>Non-food contact can coating   | (S) Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol and phenol, Bu ether  |
| P-18-0177A | 3 | 10/17/2019 | Clariant<br>Plastics &<br>Coatings LLC | (S) Lubricant and surface protection agent.   | (S) Waxes and Waxy substances, rice bran, oxidized   |

| P-18-0256A | 4 | 10/01/2019 | CBI                                | (G) Chemical Intermediate  | (S) Undecanol, branched   |
|------------|---|------------|------------------------------------|--|---|
| P-18-0299A | 3 | 10/01/2019 | СВІ                                | (G) Ink additive   | (G) Alkenoic acid, alkyl-, polymers with alkyl methacrylate,<br>cycloalkyl methacrylate, alkylene dimethacrylate, and polyalkene<br>glycol hydrogen sulfate [(branched alkyloxy)alkyl]-(alkenyloxy)a<br>ethers ammonium salts, metal salts                        |
| P-18-0302A | 4 | 09/27/2019 | CBI                                | (G) Chemical intermediate  | (S) D-glucaric acid, ammonium salt (1:1)  |
| P-18-0378A | 5 | 09/27/2019 | СВІ                                | (G) Industrial coatings<br>additive  | (G) Acrylic and Methacrylic acids and esters, polymer with<br>alkenylimidazole, alkyl polyalkylene glycol, alkenylbenzene,<br>alkylbenzeneperoxoic acid ester initiated, compds. with<br>Dialkylaminoalkanol  |
| P-19-0058A | 4 | 10/15/2019 | Essential<br>Industries Inc.       | (S) Wood Coating   | (S) Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propen-<br>1-yl)oxy]ethyl ester, polymer with butyl 2-propenoate,<br>ethenylbenzene, methyl 2-methyl-2-propenoate and 2-methyl-<br>2-popenoic acid, ammonium salt   |
| P-19-0064A | 4 | 10/10/2019 | The Sherwin<br>Williams<br>Company | coatings   | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic a<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et<br>2-propenoate, reaction products with 2-(dimethylamino) ethanol |
| P-19-0086A | 5 | 10/01/2019 | СВІ                                | (G) Monitor oil and gas well performance   | (G) Halogenated sodium benzene akyl carboxylate   |
| P-19-0087A | 5 | 10/01/2019 | CBI                                | (G) Monitor oil-and-gas well performance   | (G) Halogenated sodium benzene alkyl carboyxlate  |
| P-19-0088A | 3 | 10/03/2019 | CBI                                | (G) Feedstock for amine recovery   | (S) Ethanamine, N-ethyl-, 2-hydroxy-1,2,3-propanetricarboxylate   |
| P-19-0089A | 7 | 10/01/2019 | CBI                                | (G) Well performance tracer  | (G) Halogenated sodium benzene alkylcarboxylate   |
| P-19-0091A | 5 | 10/01/2019 | CBI                                | (G) Well performance tracer  | (G) Halogenated benzene alkylcarboxylic acid  |
| P-19-0092A | 4 | 10/01/2019 | СВІ                                | (G) Tracer of well performance   | (G) Halogenated benzene alkylcarboxylic acid  |
| P-19-0103A | 4 | 10/14/2019 | CBI                                | (G) Well performance monitor   | (G) Halogenated benzoic acid, ethyl ester   |
| P-19-0109A | 3 | 09/30/2019 | ARCH<br>CHEMICALS,<br>INC.         | (S) Chemical is used as a<br>component of a hoof cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the hoof | (S) Copper, [ [2,2',2"-(nitrilokappa.N)tris[ethanolkappa.O]](2-)<br>(S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;  |

| P-19-0134  | 5 | 10/23/2019 | Conklin Co.,<br>Inc.               | (S) Binder for moisture cure coatings  | (G) [5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexa<br>[Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydrox<br>polymer with 1,6-diisocyanatohexane], polymer with [Poly(oxy-1<br>butanediyl), .alphahydroomegahydroxy-], [Cyclic amine - ke<br>adduct, reduced], and [1,3-Propanediol, 2-ethyl-2-(hydroxymethy |
|------------|---|------------|------------------------------------|--|---|
| P-19-0137A | 4 | 10/04/2019 | CBI                                | (G) Component in lubricants  | (G) Alkyl oligomeric reaction products  |
| P-19-0141A | 4 | 09/27/2019 | CBI                                | (S) For use in metal treatment<br>coatings for lubrication and<br>corrosion protection | (S) Phosphoric Acid, manganese(2+) salt (2:3); (S) Phosphoric ac manganese(2+) salt (4:5);  |
| P-19-0141A | 5 | 10/03/2019 | CBI                                | (S) For use in metal treatment<br>coatings for lubrication and<br>corrosion protection | (S) Phosphoric Acid, manganese(2+) salt (2:3); (S) Phosphoric ac manganese(2+) salt (4:5);  |
| P-19-0147A | 4 | 09/30/2019 | Croda Inc.                         | (G) Cleaning additive  | (G) alkoxylated butyl alkyl ester   |
| P-19-0158A | 4 | 10/24/2019 | Ashland Inc.                       | (G) Adhesive   | (G) Alkenoic acid polymer with 2-ethyl-2-(hdroxymethyl)-1,3-<br>alkyldiol, 1,1'-methylenebis(4-isocyantocarbomonocycle) and<br>3-methyl-1,5-aklydiol  |
| P-19-0163A | 3 | 09/27/2019 | CBI                                | (G) Well performance tracer  | (G) halogenated sodium benzoate   |
| P-19-0165A | 2 | 10/16/2019 | Arboris, LLC                       | (G) Plasticizer in rubber and coating in minerals.                                     | (G) Tall oil pitch, fraction, sterol-low  |
| P-19-0167A | 2 | 10/22/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases                      | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>hexanoate  |
| P-19-0168A | 3 | 10/01/2019 | CBI                                | (G) Well performance tracer  | (G) Halogenated alkylbenzoic acid   |
| P-19-0169A | 3 | 10/01/2019 | CBI                                | (G) Well performance monitor   | (G) Halogenated alkylbenzoic acid   |
| P-19-0171  | 2 | 09/27/2019 | CBI                                | (G) Well performance monitor   | (G) Halogenated benzoic acid  |
| P-19-0171A | 3 | 10/04/2019 | CBI                                | (G) Well performance monitor   | (G) Halogenated benzoic acid  |
| P-19-0171A | 4 | 10/29/2019 | CBI                                | (G) Well performance monitor   | (G) Halogenated benzoic acid  |
| P-19-0172  | 2 | 09/27/2019 | СВІ                                | (G) Well performance monitor   | (G) Halogenated benzoic acid  |

| P-19-0172A | 3 | 10/04/2019 | CBI | (G) Well performance monitor | (G) Halogenated benzoic acid      |
|------------|---|------------|-----|------------------------------|-----------------------------------|
| P-19-0172A | 4 | 10/29/2019 | CBI | (G) Well performance monitor | (G) Halogenated benzoic acid      |
| P-19-0173  | 2 | 09/27/2019 | CBI | (G) Well performance monitor | (G) Halogenated benzoic acid      |
| P-19-0173A | 3 | 10/04/2019 | CBI | (G) Well performance monitor | (G) Halogenated benzoic acid      |
| P-19-0173A | 4 | 10/29/2019 | CBI | (G) Well performance monitor | (G) Halogenated benzoic acid      |
| P-19-0175A | 2 | 10/01/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0175A | 3 | 10/02/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0175A | 4 | 10/29/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0176A | 2 | 10/01/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0176A | 3 | 10/02/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0176A | 4 | 10/29/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0177A | 2 | 10/01/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0177A | 3 | 10/02/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0177A | 4 | 10/29/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0178A | 2 | 10/01/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0178A | 3 | 10/02/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |
| P-19-0178A | 4 | 10/29/2019 | CBI | (G) Well performance monitor | (G) Halogenated alkylbenzoic acid |

| P-19-0179A | 2 | 10/01/2019 | CBI | (G) Well performance monitor    | (G) Halogenated alkylbenzoic acid     |
|------------|---|------------|-----|---------------------------------|---------------------------------------|
| P-19-0179A | 3 | 10/02/2019 | CBI | (G) Well performance monitor    | (G) Halogenated alkylbenzoic acid     |
| P-19-0179A | 4 | 10/29/2019 | CBI | (G) Well performance<br>monitor | (G) Halogenated alkylbenzoic acid     |
| P-19-0180  | 2 | 10/01/2019 | CBI | (G) Well performance<br>monitor | (G) Halogenated sodium alkylbenzoate  |
| P-19-0180A | 3 | 10/04/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0180A | 4 | 10/22/2019 | CBI | (G) Well performance monitor    | (G) halogenated alkyl sodium benzoate |
| P-19-0181  | 2 | 10/01/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0181A | 3 | 10/04/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0181A | 4 | 10/22/2019 | CBI | (G) Well performance monitor    | (G) halogenated alkyl sodium benzoate |
| P-19-0182  | 2 | 10/01/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0182A | 3 | 10/04/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0182A | 4 | 10/22/2019 | CBI | (G) Well performance monitor    | (G) halogenated alkyl sodium benzoate |
| P-19-0183  | 1 | 09/27/2019 | CBI | (G) Well performance<br>monitor | (G) Halogenated sodium alkylbenzoate  |
| P-19-0183A | 2 | 10/04/2019 | CBI | (G) Well performance<br>monitor | (G) Halogenated sodium alkylbenzoate  |
| P-19-0184  | 1 | 09/27/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0184A | 2 | 10/04/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |
| P-19-0185  | 1 | 09/27/2019 | CBI | (G) Well performance monitor    | (G) Halogenated sodium alkylbenzoate  |

| P-19-0185A | 2 | 10/04/2019 | СВІ                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
|------------|---|------------|---|--|--|
| P-19-0186  | 1 | 09/27/2019 | СВІ                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
| P-19-0186A | 2 | 10/04/2019 | CBI                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
| P-19-0187  | 1 | 09/27/2019 | СВІ                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
| P-19-0187A | 2 | 10/04/2019 | СВІ                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
| P-19-0188  | 1 | 09/30/2019 | Archroma<br>U.S., Inc                   | (S) Wetting agent and<br>lubricant during textile<br>processing.                 | (G) Octadecanamide, N,N-dialkyl, salts   |
| P-19-0189  | 1 | 09/30/2019 | CBI                                     | (S) Reactive polymer for use in adhesives and sealants.                          | (G) Fatty acids, polymers with alkanediol and 1,1'-methylenebis[isocyanatobenzene]   |
| P-20-0001  | 1 | 10/02/2019 | Santolubes<br>Manufacturing<br>LLC      | (S) Synthetic engine, gear &<br>lubricating oils & greases                       | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>nonanoate   |
| P-20-0002  | 1 | 10/02/2019 | Santolubes<br>Manufacturing<br>LLC      | (S) Synthetic engine, gear &<br>lubricating oils & greases                       | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl) and nonan<br>acid                           |
| P-20-0004  | 1 | 10/02/2019 | Santolubes<br>Manufacturing<br>LLC      | (S) Synthetic engine, gear &<br>lubricating oils & greases                       | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>hexanoic acid and alpha-hydro-w-hydroxypoly(oxy-1,4-butanedi                                  |
| P-20-0005  | 2 | 10/21/2019 | RMC<br>Advanced<br>Technologies<br>Inc. | (G) Additive for plastics and resins.  | (G) modified graphene  |
| P-20-0006  | 1 | 10/07/2019 | CBI                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
| P-20-0007  | 1 | 10/07/2019 | СВІ                                     | (G) Well performance monitor   | (G) Halogenated sodium alkylbenzoate   |
| P-20-0008  | 1 | 10/08/2019 | Archroma<br>U.S., Inc                   | (S) Dye for use with paper,<br>paper products, and<br>nonwoven products produced | (G) 7-Heteropolycyclicsulfonic acid, 2-[4-[2-[1-[ [(2-methoxy-<br>5-methyl-4-sulfophenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]-6-methyl-, compd. with |

|             |     |            |                                     | from paper.   | (alkylamino)alkanol and (hydroxyalkyl)amine   |
|-------------|-----|------------|-------------------------------------|---|---|
| P-20-0009   | 2   | 10/21/2019 | Resinate<br>Materials<br>Group Inc. | (S) Intermediate for use in the manufacture of polymers.                          | (G) Waste plastics, poly(ethylene terephthalate), depolymd. with polyol, polymers with alkanedioic acid and alkanoic acid |
| P-20-0010   | 2   | 10/18/2019 | CBI                                 | (G) Polymerization auxiliary  | (G) Carboxylic acid, metal salt, reaction products with metal salt  |
| P-20-0011   | 3   | 10/28/2019 | Chitec<br>Technology<br>Co., Ltd.   | (G) Light stabilizer  | (G) Tetraoxaspiro[5.5]alkyl-3,9-diylbis(alkyl-2,1-diyl) bis(2-cyar<br>3-(3,4-dimethoxyphenyl)acrylate)                    |
| P-20-0012   | 4   | 10/31/2019 | СВІ                                 | (G) Ink Additive  | (G) Polyol, polymer with alkyl diisocyanate, alkyl substituted heterocycle blocked  |
| P-20-0013   | 1   | 10/17/2019 | Arkema Inc.                         | (G) UV curable inks   | (S) 2-Propenoic acid, 2-methyl-, (2-oxo-1,3-dioxolan-4-yl)methylester   |
| P-20-0014   | 1   | 10/21/2019 | McTron<br>Technologies              | (G) Water resistant resin<br>additive and Heat resistant<br>binder additive       | (G) Sugars, polymer with alkanetriamine   |
| SN-19-0006  | 1   | 09/30/2019 | СВІ                                 | (G) Component for 3D<br>Printing formulations                                     | (S) 2-Propen-1-one, 1-(4-morpholinyl)-  |
| SN-19-0006A | . 2 | 10/09/2019 | CBI                                 | (G) Component for 3D<br>Printing formulations                                     | (S) 2-Propen-1-one, 1-(4-morpholinyl)-  |
| J-19-0024A  | 2   | 09/10/2019 | СВІ                                 | (G) Ethanol production  | (G) Biofuel producting Saccharomyces cerevisiae modified, genetically stable  |
| J-19-0025A  | 2   | 09/10/2019 | СВІ                                 | (G) Ethanol production  | (G) Biofuel producting Saccharomyces cerevisiae modified, genetically stable  |
| J-19-0026A  | 2   | 11/13/2019 | СВІ                                 | (G) Production of biofuel   | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications                                   |
| J-19-0026A  | 3   | 11/15/2019 | СВІ                                 | (G) Production of biofuel   | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications                                   |
| J-19-0027A  | 2   | 11/13/2019 | СВІ                                 | (G) Production of biofuel   | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications                                   |
| J-19-0027A  | 3   | 11/15/2019 | СВІ                                 | (G) Production of biofuel   | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications                                   |
| P-16-0486A  | 4   | 11/01/2019 | СВІ                                 | (G) Site-limited intermediate<br>in the production of a<br>refrigerant precursor. | (G) Polychloropropane   |

| P-17-0007A | 6 | 11/15/2019 | CBI                                  | (S) Intermediate   | (G) dialkyl 7,10-dioxa, dithiahexadeca diene  |
|------------|---|------------|--------------------------------------|--|---|
| P-17-0260A | 3 | 11/21/2019 | Shin Etsu<br>Silicones of<br>America | (G) Resin modifier   | (G) Alkoxy silane modified butadiene-styrene copolymer  |
| P-18-0019A | 3 | 10/29/2019 | Cabot<br>Corporation                 | (S) Dispersive pigment   | (G) Substituted Benzene, 4-[2-[2-hydroxy-3-[ [(3-<br>nitrophenyl)amino]carbonyl]-1-naphthalenyl]diazenyl]-, sodium (1:1)  |
| P-18-0029A | 2 | 10/30/2019 | СВІ                                  | (G) Industrial use in Oilfield   | (G) Fatty acids and fatty acid unsatd., reaction products with ethyleneamines and maleic anhydride  |
| P-18-0031A | 6 | 10/30/2019 | СВІ                                  | (G) Ingredient for industrial coating  | (G) Substituted dicarboxylic acid, polymer with various alkanedia   |
| P-18-0160A | 4 | 11/11/2019 | СВІ                                  | (G) Coating component  | (G) Heteropolycyclic, halo substituted alkyl substituted- diaromat<br>amino substituted carbomonocycle, halo substituted alkyl substitu<br>heteropolycyclic, tetraaromatic metalloid salt (1:1)   |
| P-18-0165A | 6 | 11/01/2019 | Cabot<br>Corporation                 | (S) Chemical intermediate  | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl amide, sodium salts  |
| P-18-0166A | 6 | 11/01/2019 | Cabot<br>Corporation                 | (S) Chemical Intermediate  | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl [3-[2-[1-[ [(2-methoxyphenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]substituted, sodium salts   |
| P-18-0167A | 4 | 11/06/2019 | Cabot<br>Corporation                 | (S) Chemical intermediate  | (G) Butanamide, 2-[2-[(substitutued phenyl)diazenyl]-N-(2-<br>methoxyphenyl)-3-oxo-   |
| P-18-0190A | 5 | 11/06/2019 | Cabot<br>Corporation                 | (S) Pigment Dispersing Aid   | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substituted butyl amide, polymers with epichlorohydrin and<br>trimethylolpropane, sodium salts   |
| P-18-0191A | 5 | 11/06/2019 | Cabot<br>Corporation                 | (S) Pigment Dispersing Aid   | (G) 2,5-Furandione, polymer with ethenylbenzene, 4-hydroxy-<br>substitutedbutyl [3-[2-[1-[ [(substitutedphenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]methyl amide, polymers with<br>epichlorohydrin and trimthylolpropane, sodium salts |
| P-18-0213A | 3 | 11/08/2019 | СВІ                                  | (S) polyester or polyamide<br>modifer incorporated into<br>backbone of polymer | (S) 1,3-Benzenedicarboxylic acid, 5-sulfo-, calcium salt (2:1)  |
| P-18-0214A | 4 | 11/21/2019 | СВІ                                  | (G) Curing agent.  | (G) Polycyclic substituted alkane, polymer with cyclicalkylamine epoxide, and polycyclic epoxide ether, reaction products with dialkylamine substituted alkyl amine   |

| P-18-0215A | 4 | 11/21/2019 | CBI   | (G) Curing agent.   | (G) Polycyclic alkane, polymer with monocyclic amine, polycycl epoxide ether, reaction products with dialkylamine alkyl amine   |
|------------|---|------------|---|---|---|
| P-18-0216A | 4 | 11/21/2019 | СВІ   | (G) Curing agent.   | (G) Polycyclic substituted alkane, polymer with epoxide, reaction products with cyclicalkylamine and dialkylamine substituted alky amine  |
| P-18-0236A | 3 | 11/14/2019 | The Sherwin<br>Williams<br>Company                      | (G) Paint additive  | (G) Metal, alkenoic acid-alkyl alkenoate-alkyl substituted alkenoapolymer carbopolycycle complexes  |
| P-18-0274A | 7 | 11/05/2019 | CBI   | (S) Chemical intermediate<br>and (G) Additive   | (G) Heterocycle fluoroalkyl sulfonyl  |
| P-18-0275A | 6 | 11/05/2019 | CBI   | (G) Polymer additive  | (G) Methanone phenylene fluoroalkyl sulfonyl heterocycle  |
| P-18-0363A | 3 | 10/31/2019 | CBI   | (G) Adhesive  | (G) Phenol, polymer with formaldehyde, substituted phenol ,sodi salts   |
| P-18-0367  | 2 | 11/11/2019 | Afcona<br>Chemicals<br>USA Inc.                         | (S) Acid-modified polyether<br>used as a wetting and<br>dispersing additive for<br>pigments in industrial paints<br>and coatings. | (G) Acid-modified polyether   |
| P-18-0376A | 2 | 11/05/2019 | Sumitomo<br>Chemical<br>Advanced<br>Technologies<br>LLC | (S) Substance used to<br>improve physical properties<br>in rubber products.   | (G) Thiosulfuric acid, aminoalkyl ester   |
| P-18-0387A | 4 | 11/11/2019 | СВІ   | (G) Plastic Additive  | (G) Alkanal, reaction products with alkanediyl bis[alkyl-tris(alky heterocycle)-1,3,5-triazine-2,4,6-triamine and hydrogen peroxide   |
| P-18-0388A | 4 | 11/11/2019 | СВІ   | (G) Plastic additive  | (G) 1,3,5-triazine-2,4,6-triamine, alkanediyl bis[alkyl-tris(alkyl-heterocycle)-, allyl derivs., oxidized, hydrogenated   |
| P-18-0399A | 7 | 11/18/2019 | CBI   | (G) Open, non-dispersive use<br>additive for industrial use<br>only   | (G) Rosin adduct ester, polymer with polyols, compd. with ethanolamine  |
| P-18-0400A | 7 | 11/18/2019 | СВІ   | (G) Open, non-dispersive use, additive for textile industry   | G) Rosin adduct ester, polymer with polyols, potassium salt   |
| P-19-0064A | 5 | 10/30/2019 | The Sherwin<br>Williams<br>Company                      | (G) Polymeric film former for coatings  | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic &<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et |

|            |   |            |  |   | 2-propenoate, reaction products with 2-(dimethylamino) ethanol  |
|------------|---|------------|--|---|---|
| P-19-0077A | 8 | 11/12/2019 | CBI                                    | (G) Agricultural  | (G) alkenylamide  |
| P-19-0143A | 4 | 10/29/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent for<br>use in epoxy resin for water-<br>based coating for a variety of<br>substrates and civil<br>applications in commercial<br>and consumer usages. | (G) Aldehyde, polymer with mixed alkanepolyamines, 2,2'-[1,4-<br>alkanediylbis(oxyalkylene)] bis[oxirane], 2-(alkoxyalkyloxirane,<br>4,4'-(1-alkylidene)bis[phenol], 2,2'-[(1-alkylidene)bis(4,1-<br>alkyleneoxyalkylene)]bis[oxirane] and 2-(aryloxyalkyl)oxirane,<br>acetate (salt)   |
| P-19-0144A | 4 | 10/29/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent in<br>epoxy based self-leveling<br>floor coatings.   | (G) Alkanedioic Acid, compds. With substituted arylalkylamine-<br>arylalcohol disubstituted alkane-the diglycidyl ether of a arylalcohol<br>disubstituted alkane -epichlorohydrin-aldehyde-2,2'-[(1-<br>alkylidene)bis[4,1-aryleneoxy(alkyl-2,1-<br>alkanediyl)oxyalkylene]]bis[oxirane]-alkanepolyamine polymer-1<br>[2-[(2-aminoalkyl)amino]alkyl]amino]-3-aryloxy-2-alcohol reaction<br>products |
| P-19-0145A | 5 | 11/07/2019 | ARC Products,<br>INC                   | (S) Oil Field Drilling Fluid<br>Additive  | (G) Polyazaalkane with oxirane and methyloxirane, haloalkane  |
| P-19-0145A | 6 | 11/14/2019 | ARC Products,<br>INC                   | (S) Oil Field Drilling Fluid<br>Additive  | (G) Polyazaalkane with oxirane and methyloxirane, haloalkane  |
| P-19-0153A | 4 | 11/06/2019 | Wego<br>Chemical<br>Group              | (S) Raw material in Flame<br>Retardant product  | (G) Dibromoalkyl ether Tetrabromobisphenol A  |
| P-19-0155A | 4 | 10/30/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant for<br>agrochemical formulations   | (S) Amides, from C8-18 and C18-unsatd. glycerides and diethylenetriamine, ethoxylated   |
| P-19-0156A | 4 | 10/30/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant for<br>agrochemical formulations   | (S) Amides, from diethylenetriamine and palm kernel-oil, ethoxy   |
| P-19-0157A | 4 | 10/30/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant in agrochemical formulations   | (S) Amides, from coconut oil and diethylenetriamine, ethoxylated  |
| P-19-0158A | 5 | 10/29/2019 | Ashland Inc.                           | (G) Adhesive  | (G) Alkenoic acid polymer with 2-ethyl-2-(hdroxymethyl)-1,3-<br>alkyldiol, 1,1'-methylenebis(4-isocyantocarbomonocycle) and<br>3-methyl-1,5-aklydiol  |

| P-19-0165A | 3 | 11/11/2019 | ARBORIS,<br>LLC                    | (G) Plasticizer in rubber and Coating in minerals.                | (G) Tall oil pitch, fraction, sterol-low   |
|------------|---|------------|------------------------------------|---|--|
| P-19-0167A | 3 | 10/31/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>hexanoate   |
| P-19-0167A | 4 | 11/18/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>hexanoate   |
| P-19-0168A | 4 | 11/01/2019 | CBI                                | (G) Well performance tracer                                       | (G) Halogenated alkylbenzoic acid  |
| P-19-0169A | 4 | 11/01/2019 | СВІ                                | (G) Well performance monitor                                      | (G) Halogenated alkylbenzoic acid  |
| P-19-0180A | 5 | 11/01/2019 | CBI                                | (G) Well performance monitor                                      | (G) halogenated sodium benzoate  |
| P-19-0181A | 5 | 11/01/2019 | CBI                                | (G) Well performance monitor                                      | (G) halogenated sodium benzoate  |
| P-19-0182A | 5 | 11/01/2019 | CBI                                | (G) Well performance monitor                                      | (G) halogenated sodium benzoate  |
| P-20-0001A | 3 | 10/29/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear & lubricating oils & greases           | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-w-hydroxy-, nonanoat   |
| P-20-0001A | 4 | 10/31/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear & lubricating oils & greases           | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>nonanoate   |
| P-20-0002A | 2 | 10/29/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear &<br>lubricating oils & greases        | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi alpha-hydro-w-hydroxypoly(oxy-1,4-butanediyl) and nonanoic ac              |
| P-20-0002A | 4 | 10/29/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear &<br>lubricating oils & greases        | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl) and nonand<br>acid    |
| P-20-0002A | 5 | 10/31/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear & lubricating oils & greases           | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl) and nonand<br>acid    |
| P-20-0004A | 2 | 10/29/2019 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear & lubricating oils & greases           | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>hexanoic acid and alpha-hydro-omega-hydroxypoly(oxy-1,4-<br>butanediyl) |

| P-20-0004A  | 3 | 10/29/2019 | Santolubes<br>Manufacturing<br>LLC      | (S) Synthetic engine, gear &<br>lubricating oils & greases  | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>hexanoic acid and alpha-hydro-w-hydroxypoly(oxy-1,4-butanedi            |
|-------------|---|------------|---|---|--|
| P-20-0004A  | 4 | 10/30/2019 | Santolubes<br>Manufacturing<br>LLC      | (S) Synthetic engine, gear &<br>lubricating oils & greases  | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>hexanoic acid and alpha-hydro-omega-hydroxypoly(oxy-1,4-<br>butanediyl) |
| P-20-0004A  | 5 | 10/30/2019 | Santolubes<br>Manufacturing<br>LLC      | (S) Synthetic engine, gear &<br>lubricating oils & greases  | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>hexanoic acid and alpha-hydro-omega-hydroxypoly(oxy-1,4-<br>butanediyl) |
| P-20-0005A  | 3 | 11/11/2019 | RMC<br>Advanced<br>Technologies<br>Inc. | (G) Additive for plastics and resins  | (G) modified graphene  |
| P-20-0023   | 1 | 11/18/2019 | CBI                                     | (G) The notified substance<br>will be used as a fragrance<br>ingredient. It will be blended<br>(mixed) with other fragrance<br>ingredients to make fragrance<br>oils. The fragrance oils<br>containing the notified<br>substance will then be<br>incorporated into soaps,<br>detergents, cleaners, air<br>fresheners, candles and other<br>similar commercial and<br>consumer products. | (G) heteropolycycle, 2,6-dimethyl-3a-(1-methylethyl)-  |
| P-20-0025   | 1 | 11/19/2019 | Biosynthetic<br>Technologies            | (S) Motor oil lubricant,<br>formulation #1 and<br>formulation #2  | (S) Octadecanoic acid, 12-(acetoxy)-, 2-ethylhexyl ester   |
| SN-18-0002A | 4 | 11/04/2019 | СВІ                                     | (G) Flame retardant for textile.  | (G) Phosphoramidic acid, carbomonocyclic-, diphenylester (accel number 261553).  |
| J-20-0002   | 1 | 11/25/2019 | СВІ                                     | (G) Production of a chemical  | (G) Microorganism with chromosomally-borne genetic modificat for the production of a chemical  |
| P-16-0486A  | 5 | 11/22/2019 | СВІ                                     | (G) Site-limited intermediate<br>in the production of a<br>refrigerant precursor.   | (G) Polychloropropane  |

| P-16-0539A | 5  | 12/3/2019  | CBI                  | (G) photolithography   | (G) Organic sulfonate compound  |
|------------|----|------------|----------------------|--|---|
| P-17-0239A | 7  | 12/11/2019 | СВІ                  | (G) Adhesive for open non-<br>descriptive use  | (G) Substituted carboxylic acid, polymer with 2,4-diisocyanato-<br>1-methylbenzene, hexanedioic acid, alpha-hydro-omega-<br>hydroxypoly[oxy(methyl-1,2-ethanediyl)], 1,1'-methylenebis[4-<br>isocyanatobenzene], 2,2'-oxybis[ethanol], 1,1'-oxybis[2-propanol]<br>1,2-propanediol |
| P-17-0245A | 7  | 12/12/2019 | CBI                  | (G) Adhesive for open, non-<br>dispersive use  | (G) Unsaturated polyfluoro ester  |
| P-17-0282A | 11 | 12/11/2019 | Elantas PDG,<br>Inc. | (S) This is a component of a mixture that is used as an impregnating varnish for stators and motors. | (S) Isocyanic acid, polymethylenepolyphenylene ester, caprolacta and phenol-blocked   |
| P-17-0405A | 8  | 12/06/2019 | СВІ                  | (G) Oil and gas well performance   | (G) halogentated benzoic acid ethyl ester   |
| P-17-0406A | 7  | 12/06/2019 | CBI                  | (G) Oil and gas well performance   | (G) halogenated benzoic acid ethyl ester  |
| P-17-0407  | 6  | 12/06/2019 | CBI                  | (G) Well performance   | (G) halogenated benzoic acid ethyl ester  |
| P-17-0408  | 5  | 12/06/2019 | CBI                  | (G) Well performance   | (G) halogenated benzoic acid ethyl ester  |
| P-17-0409  | 6  | 12/06/2019 | CBI                  | (G) Monitor well performance.  | (G) halogenated benzoic acid ethyl ester  |
| P-17-0410  | 5  | 12/06/2019 | СВІ                  | (G) Monitor well performance.  | (G) halogenated benzoic acid ethyl ester  |
| P-17-0411  | 5  | 12/06/2019 | СВІ                  | (G) Monitor well<br>performance  | (G) halogenated benzoic acid ethyl ester  |
| P-17-0412  | 5  | 12/06/2019 | CBI                  | (G) Monitor well performance.  | (G) halogenated benzoic acid ethyl ester  |
| P-17-0414  | 5  | 12/06/2019 | CBI                  | (G) Monitor well<br>performance  | (G) halogenated benzoic acid  |
| P-17-0415  | 6  | 12/06/2019 | СВІ                  | (G) Monitor well<br>performance  | (G) halogenated benzoic acid  |
| P-17-0416  | 6  | 12/06/2019 | СВІ                  | (G) Monitor well performance.  | (G) halogenated benzoic acid  |
| P-17-0417  | 6  | 12/06/2019 | СВІ                  | (G) Monitor well performance.  | (G) halogenated benzoic acid  |

| P-17-0418A | 6 | 12/06/2019 | CBI                 | (G) Monitor well performance.                  | (G) halogenated benzoic acid                |
|------------|---|------------|---------------------|--|---|
| P-17-0420A | 7 | 12/06/2019 | СВІ                 | (G) Monitor well<br>performance                | (G) halogenated benzoic acid                |
| P-17-0421A | 6 | 12/06/2019 | СВІ                 | (G) Monitor well<br>performance                | (G) halogenated benzoic acid                |
| P-17-0422A | 6 | 12/06/2019 | СВІ                 | (G) Monitor well<br>performance                | (G) halogenated benzoic acid                |
| P-17-0423  | 5 | 12/06/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated benzoic acid ethyl ester    |
| P-17-0441  | 5 | 12/09/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0442  | 5 | 12/09/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0443A | 6 | 12/09/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0444  | 4 | 02/11/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0445A | 7 | 12/09/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0446A | 6 | 12/09/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0447  | 6 | 12/09/2019 | CBI                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0448  | 5 | 12/09/2019 | СВІ                 | (G) Monitor well performance.                  | (G) halogenated sodium benzoate             |
| P-17-0449  | 5 | 12/09/2019 | СВІ                 | (G) Monitor well<br>performance                | (G) halogenated sodium benzoate             |
| P-17-0450  | 5 | 12/09/2019 | CBI                 | (G) Monitor well<br>performance                | (G) Halogenated benzoic acid                |
| P-18-0133A | 3 | 12/02/2019 | СВІ                 | (G) component in hydraulic fracturing fluids   | (G) Polyol adduct of bisaldehyde            |
| P-18-0253A | 3 | 11/22/2019 | UBE America<br>Inc. | (G) Extrusion and Injection<br>Molding Polymer | (S) Dodecanoic acid, 12-amino-, homopolymer |

| P-18-0254A | 3 | 11/22/2019 | UBE America<br>Inc.               | (G) Extrusion and Injection<br>Molding Polymer  | (G) Hexanedioic acid, polymer with 12-aminododecanoic acid an polyetheramine   |
|------------|---|------------|-----------------------------------|---|--|
| P-18-0255A | 3 | 11/22/2019 | UBE America<br>Inc.               | (G) Recreational equipment  | (S) Dodecanoic acid, 12-amino-, polymer with hexahydro-2H-<br>azepin-2-one   |
| P-18-0267A | 4 | 11/21/2019 | СВІ                               | (G) curing agent  | (G) Branched alkanoic acid, epoxy ester, reaction products with monocyclic dialkylamine and polycyclic alcohol epoxy polymer   |
| P-18-0268A | 4 | 11/21/2019 | СВІ                               | (G) curing agent  | (G) Branched alkanoic acid, epoxy ester, reaction products with monocyclicdialkanamine and polycyclic dialkanol ether polymer  |
| P-18-0269A | 4 | 11/21/2019 | СВІ                               | (G) curing agent  | (G) Branched alkanoic acid, epoxy ester, reaction products with<br>monocyclicalkanamine, polycyclic alcohol ether homopolymer, a<br>polycyclic alcohol epoxy polymer |
| P-18-0273A | 2 | 02/11/2019 | СВІ                               | (G) Used in polymer manufacturing.  | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester  |
| P-18-0287A | 9 | 12/04/2019 | CBI                               | (G) Company plans to<br>produce "tires, wastes,<br>pyrolyzed, condensate oil<br>fraction" (hereafter referred<br>to as syn oil) (CASRN:<br>1312024-02-4) from scrap<br>tire materials.    | (G) Synthetic oil from tires   |
| P-18-0300A | 3 | 12/04/2019 | СВІ                               | (S) Additive for automatic dishwashing detergent  | (G) Heteromonocycle, alkenoic 1:1 salt, polymer with alpha-(2-<br>methyl-1-oxo-2-propen-1-y)l-omegamethoxypoly(oxy-1,2-ethanc<br>and methyl-alkenoic acid            |
| P-18-0345A | 2 | 12/10/2019 | Chitec<br>Technology<br>Co., Ltd. | (S) R-gen 990 is a liquid<br>aminoketone-based<br>photoinitator (PI) intended<br>for use as an ultraviolet (UV)<br>curing agent in highly<br>pigmented inks, photo-resists,<br>and masks. | (S) 1-Butanone, 2-(dimethylamino)-1-[4-(2-ethyl-2-methyl-<br>3-oxazolidinyl)phenyl]-2-(phenylmethyl)-  |
| P-18-0350A | 2 | 12/04/2019 | Evonik<br>Corporation             | (S) Additive in water-borne<br>UV-curable coatings,(S)<br>Filler & pigment<br>treatment,(S) Glass fiber<br>treatment  | (G) Aqueous methacrylamido modified polysiloxane   |

| P-18-0359A | 3 | 12/10/2019 | CBI                       | (G) Molded or extruded items  | (G) Methoxy Vinyl Ether- Vinylidene Fluoride polymer  |
|------------|---|------------|---------------------------|---|---|
| P-18-0367A | 3 | 12/09/2019 | CBI                       | (S) Acid-modified polyether<br>used as a wetting and<br>dispersing additive for<br>pigments in industrial paints<br>and coatings. | (G) Acid-modified polyether;  |
| P-19-0052A | 5 | 02/11/2019 | Evonik<br>Corporation     | (S) Hard Surface Cleaner,(S)<br>Component of Laundry<br>Detergent   | (S) Poly(oxy-1,2-ethanediyl), alpha-nonyl-omega-hydroxy-, bran and linear   |
| P-19-0055A | 3 |            | Rahn USA<br>Corp.         | (S) The PMN is solely used<br>as a photo initiator within UV<br>curable coating/ink<br>formulations.                              | (S) 1,3-propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with oxirane, 4-(dimethylamino)benzoate  |
| P-19-0083A | 2 |            | KX<br>Technologies<br>LLC | (G) Activated carbon for water purification.  | (G) Charcoal, coconut shell, reaction products with cyclic amine  |
| P-19-0135A | 4 | 12/10/2019 | CBI                       | (G) Lubricant Additive  | (G)Alkyl polyoxyethylene ethers, carboxymethylated  |
| P-19-0146A | 3 | 11/25/2019 | CBI                       | (G) Reagent used to introduce deuterium to the substrate chemical.  | (G) Modified dimethyl sulfoxide   |
| P-19-0148A | 2 | 12/13/2019 | CBI                       | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid-2-oxoacetic acid reaction products, potassium salts                             |
| P-19-0149A | 2 | 12/13/2019 | CBI                       | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid potassium salt (1:1)-potassium 2-oxoacetate (1:1) reapproducts, potassium salts |
| P-19-0150A | 2 | 12/13/2019 | CBI                       | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid-2-oxoacetic acid reaction products, sodium salts                                |
| P-19-0151A | 2 | 12/13/2019 | CBI                       | (G) Fertilizer ingredient   | (G) Iron, complexes with ethylenediamine-4-hydroxycarbomonochetero-acid sodium salt (1:1)-sodium 2-oxoacetate (1:1) reaction products, sodium salts     |
| P-19-0152A | 3 | 11/21/2019 | UBE America<br>Inc.       | (G) Pre-polymer for polyurethane roll covers  | (G) alkaneic acid, dialkyl ester polymer with alkanediol, [<br>[(isocyanatocarbomonocycle)alkyl)carbomonocycle)carbamate,                               |
| P-19-0159A | 5 | 12/06/2019 | CBI                       | (G) As Catalyst in Industrial sector  | (G) Titanium (4+) hydroxy-alkylcarboxylate salt complex   |

| P-19-0159A | 6 | 12/13/2019 | CBI  | (G) As Catalyst in Industrial sector  | (G) Titanium (4+) hydroxy-alkylcarboxylate salt complex  |
|------------|---|------------|--|---|--|
| P-19-0174  | 3 | 02/11/2019 | International<br>Lubricants Inc.                     | (G) Phosphorus antiwear compound  | (G) Octadecanoic acid, (alkylphosphinyl), polyol ester   |
| P-20-0009A | 3 | 02/11/2019 | Resinate<br>Materials<br>Group, Inc.                 | (S) Intermediate for use in the manufacture of polymers.  | (G) Waste plastics, poly(ethylene terephthalate), depolymd. with polyol, polymers with alkanedioic acid and alkanoic acid                  |
| P-20-0011A | 4 | 12/02/2019 | СВІ  | (G) Light stabilizer  | (G) Tetraoxaspiro[5.5]alkyl-3,9-diylbis(alkyl-2,1-diyl) bis(2-cyar<br>3-(3,4-dimethoxyphenyl)acrylate)                                     |
| P-20-0012A | 5 | 12/12/2019 | СВІ  | (G) Ink Additive  | (G) Polyol, polymer with alkyl diisocyanate, alkyl substituted heterocycle blocked   |
| P-20-0018  | 2 | 11/26/2019 | CBI  | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and triglycerides  |
| P-20-0019  | 2 | 11/26/2019 | CBI  | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and triglycerides  |
| P-20-0020  | 2 | 11/26/2019 | CBI  | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and triglycerides  |
| P-20-0021  | 2 | 11/26/2019 | CBI  | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and fatty acids  |
| P-20-0022  | 2 | 12/09/2019 | CBI  | (G) Fuel additive for combustion improver   | (G) Polyalkoxycarbopolycycle hydroxy   |
| P-20-0024  | 3 | 12/04/2019 | CBI  | (G) Dispersant polymer for coatings   | (G) Phenol-formaldehyde polymer with amino-oxirane copolyme nitrobenzoates   |
| P-20-0026  | 2 | 02/20/2019 | GE Healthcare  | (S) The new monomer is<br>isolated and used for<br>subsequent polymerization.   | (G) N-alkyl heteromonocyclic diphenolamide   |
| P-20-0029  | 2 | 12/18/2019 | KURARAY<br>America, Inc.                             | (G) Oil soluble additive  | (S) Octanal, 7(or 8)-formyl-   |
| P-20-0030  | 1 | 12/16/2019 | CBI  | (S) Plasticizer for Plastisols,<br>and Plasticizer in caulks and<br>sealants  | (G) Hexanedioic acid, alkyl ester  |
| P-20-0032  | 1 | 12/18/2019 | Engineered<br>Bonded<br>Structures and<br>Composites | (S) Talathol PO3, the material<br>for which this notice is filed,<br>is intended to be used as a<br>copolymer in the production<br>of urethane foam or coating. | (G) Polyethylene terephthalate polyol  |
| P-20-0035  | 1 | 12/19/2019 | CBI  | (G) Colorant  | (G) Substituted aromatic, 3,3'-[ [6-[(substituted alkyl amino)]-1,3<br>triazine-2,4-diyl]bis[imino[2-(substituted)-5-[substituted alkoxy]- |

|            |   |            |  |   | phenylene]-2,1- diazenediyl]]bis[substituted, sodium salt]   |
|------------|---|------------|--|---|--|
| P-20-0038  | 1 | 12/23/2019 | Nissan<br>Chemical<br>Houston<br>Corporation | (S) PMN substance will be<br>used as resist compound for<br>semiconductor manufacture   | (S) 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris[3-(2-<br>oxiranyl)propyl]-                       |
| -19-0026A  | 4 | 01/14/2020 | СВІ  | (G) Production of biofuel   | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications                |
| I-19-0027A | 4 | 01/14/2020 | СВІ  | (G) Production of biofuel   | (G) Biofuel-producing modified microorganism(s), with chromosomally-borne modifications                |
| P-16-0425A | 4 | 01/14/2020 | СВІ  | (G) a chemical reactant used<br>in manufacturing a polymer  | (G) amino-silane   |
| P-17-0117A | 4 | 01/29/2020 | CBI  | (G) Use as a polyol for<br>polyurethane manufacture.<br>Reaction of the new<br>substance with a diisocyanate<br>or polyisocyanate in a blend<br>with other polyols will<br>produce a higher MW<br>polymer.,(S) Used as a<br>feedstock for hydrogenation<br>to produce a saturated diol for<br>use in urethane chemistry or<br>as an additive in coatings,<br>adhesives or sealants. | (S) 1,6,10-Dodecatriene, 7,11-dimethyl-3-methylene-, (6E)-,<br>homopolymer, 2-hydroxypropyl-terminated |
| P-17-0118A | 4 | 01/29/2020 | CBI  | (G) Use as a polyol for<br>polyurethane manufacture.<br>Reaction of the new<br>substance with a diisocyanate<br>or polyisocyanate and other<br>polyols will produce a higher<br>MW polymer.,(S) Used as a<br>feedstock for hydrogenation<br>to produce a saturated diol for<br>use in urethane chemistry or<br>as an additive in coatings,<br>adhesives or sealants.                | (S) 1,6,10-Dodecatriene, 7,11-dimethyl-3-methylene-, (6E)-,<br>homopolymer, 2-hydroxyethyl-terminated  |

| P-17-0230A | 4 | 01/21/2020 | СВІ                          | (G) Additive, open, non-<br>dispersive use   | (G) Oxirane, 2-alkyl-, polymer with oxirane, mono[N-<br>[3-(carboxyamino)-4(or 6)-alkylphenyl]carbamate], alkyl ether, e<br>with 2,2',2"-nitrilotris-[alkanol] |
|------------|---|------------|------------------------------|--|--|
| P-17-0235A | 6 | 12/19/2019 | CBI                          | (G) Anti-agglomerate   | (G) Amidoamino quaternary ammonium salt  |
| P-17-0333A | 6 | 01/16/2019 | Miwon North<br>America, Inc. | (S) Reactive diluent for optical film coating  | (G) 2-Propenoic acid, mixed esters with heterocyclic dimethanol heterocyclic methanol  |
| P-17-0395A | 6 | 01/24/2020 | CBI                          | (G) Water treatment additive   | (G) Alkyl tri dithiocarbmate tri salt  |
| P-18-0007A | 3 | 02/20/2019 | Nexoleum<br>USA Corp         | (S) Used as a<br>plasticizer/stabilizer for<br>flexible PVC.   | (S) Glycerides, soya mono- and di-, epoxidized, acetates   |
| P-18-0007A | 4 | 12/17/2019 | Nexoleum<br>USA Corp         | (S) Used as a<br>plasticizer/stabilizer for<br>flexible PVC.   | (S) Glycerides, soya mono- and di-, epoxidized, acetates   |
| P-18-0008A | 3 | 02/20/2019 | Nexoleum<br>USA Corp         | (S) Used as a<br>plasticizer/stabilizer for<br>flexible PVC.   | (S) Glycerides, C16-18 and C18-unsatd. mono- and di-, epoxidize acetates   |
| P-18-0008A | 4 | 12/17/2019 | Nexoleum<br>USA Corp         | (S) Used as a<br>plasticizer/stabilizer for<br>flexible PVC.   | (S) Glycerides, C16-18 and C18-unsatd. mono- and di-, epoxidize acetates   |
| P-18-0012A | 6 | 12/19/2019 | CBI                          | (G) Adhesives  | (G) Polyester polyol   |
| P-18-0031A | 7 | 01/09/2020 | СВІ                          | (G) Ingredient for industrial coating  | (G) Substituted dicarboxylic acid, polymer with various alkanedic  |
| P-18-0058A | 3 | 01/29/2020 | СВІ                          | (S) Component of<br>electroconductive low-noise<br>grease for long-term<br>lubrication of capped or<br>sealed ball bearings.                                 | (S) Phosphonium, trihexyltetradecyl-, salt with 1,1,1-trifluoro-<br>N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)                                      |
| P-18-0063A | 3 | 01/16/2019 | Ethox<br>Chemicals,<br>LLC   | (G) This material is used as a<br>lubricant additive for<br>applications such as<br>stamping, forming, cutting,<br>drilling, or otherwise working<br>metals. | (G) alcohol alkoxylate phosphate   |
| P-18-0067A | 4 | 01/12/2020 | CBI                          | (G) Adjuvant agent   | (S) Fatty acids, C14-18 and C16-18-unsatd., polymers with adipid<br>and triethanolamine, di-Me sulfate-quaternized   |

| P-18-0070A | 10 | 02/20/2019 | Arrowstar,<br>LLC | (G) Chemical intermediate<br>for polyurethane industry                          | (G) Waste plastics, polyester, depolymd. with glycols, polymers v dicarboxylic acids  |
|------------|----|------------|-------------------|---|---|
| P-18-0093A | 4  | 12/19/2019 | CBI               | (G) Additive to plastics  | (G) Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxane,<br>1,3,5,7,9,11,13,15-octakis (polyfluoroalkyl)-  |
| P-18-0094A | 4  | 12/19/2019 | CBI               | (G) Additive to plastics  | (G) Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxanealkylsubstitut 3,5,7,9,11,13,15-heptakis(polyfluoroalkyl)-  |
| P-18-0095A | 4  | 12/19/2019 | CBI               | (G) Additive to plastics  | (G) Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxanealkanol, 3,5,7,9,11,13,15-heptakis(polyfluoroalkyl)-, acetate   |
| P-18-0104A | 7  | 01/28/2020 | СВІ               | (S) Halogen free flame<br>retardant in thermoplastic<br>polymers                | (G) Acrylic acid, reaction products with pentaerythritol, polymeri  |
| P-18-0108A | 2  | 01/20/2020 | СВІ               | (G) Ionic salt of a polyamic<br>acid for coatings, open, non-<br>dispersive use | (G) Aromatic anhydride polymer with bisalkylbiphenylbisamine compound with alkylaminoalkyl acrylate ester   |
| P-18-0151A | 7  | 12/17/2019 | Struers Inc.      | (S) A curing agent for curing<br>epoxy systems                                  | (S) Formaldehyde, reaction products with 1,3-benzenedimethanai and p-tert-butylphenol   |
| P-18-0151A | 8  | 01/28/2020 | Struers Inc.      | (S) A curing agent for curing<br>epoxy systems                                  | (S) Formaldehyde, reaction products with 1,3-benzenedimethanai and p-tert-butylphenol   |
| P-18-0173A | 3  | 01/13/2020 | CBI               | (S) Thickener for paint and coatings  | (G) Poly (oxy1,2-alkydiyl) hydroxy polymer with cyanoato<br>butylalcohol  |
| P-18-0187A | 4  | 01/09/2020 | CBI               | (G) Emulsifier  | (G) Carboxylic acid-polyamine condensate  |
| P-18-0226A | 6  | 12/19/2019 | CBI               | (G) Anti-agglomerate  | (G) Tri alkyl, mono alkoxy, fatty acid ester, ammonium salt   |
| P-18-0307A | 3  | 01/16/2019 | CBI               | (G) Binder resin in coatings  | (G) Alkyl Alkenoic acid, alkyl ester, telomer with alkyl alkenoate<br>substituted alkyl alkyl alkenoate, alkylthiol, substituted<br>carbomonocycle, hydroxyalkyl alkyl alkenoate and alkyl alkyl<br>alkenoate |
| P-18-0328A | 2  | 01/06/2020 | CBI               | (G) Chemical intermediate<br>for the manufacture of<br>plasticizer              | (G) Plant oil fatty acids, alkyl esters   |
| P-18-0329A | 2  | 12/19/2019 | СВІ               | (G) Component of lenses<br>used in electronic<br>applications                   | (G) Substituted carbopolycyclic dicarboxylic acid dialkyl ester,<br>polymer with alkanediol and carbopolycyclic bis (substituted<br>carbopolycycle) bisalkanol  |
| P-19-0002A | 5  | 12/17/2019 | CBI               | (S) Chemical Intermediate   | (G) Polyaromatic symmetrical tetracarboxylic acid   |
| P-19-0003A | 4  | 12/17/2019 | CBI               | (S) Chemical Intermediate   | (G) Polyaromatic ether symmetrical dicarboxylic anhydride   |

| P-19-0004A | 4 | 12/17/2019 | СВІ                               | (G) molded parts and components   | (G) Aromatic dianhydride, polymer with aromatic diamine and<br>heteroatom bridged aromatic diamine, reaction products with aron<br>anhydride |
|------------|---|------------|-----------------------------------|---|--|
| P-19-0048A | 4 | 12/18/2019 | CBI                               | (G) Coating additive  | (S) Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-, m<br>C12-14-alkyl ethers, phosphates, sodium salts                                   |
| P-19-0048A | 5 | 12/19/2019 | СВІ                               | (G) Coating additive  | (S) Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-, m<br>C12-14-alkyl ethers, phosphates, sodium salts                                   |
| P-19-0053A | 6 | 02/20/2019 | Wacker<br>Chemical<br>Corporation | (S) Used as a surface<br>treatment, sealant, caulk, and<br>coating for mineral building<br>materials such as concrete,<br>brick, limestone, and plaster,<br>as well as on wood, metal and<br>other substrates.<br>Formulations containing the<br>cross-linker provide release<br>and anti-graffiti properties,<br>water repellency, weather<br>proofing, and improved<br>bonding in adhesive/sealant<br>applications. The new<br>substance is a moisture curing<br>cross-linking agent which<br>binds/joins polymers together<br>when cured. Ethanol is<br>released during cure, and<br>once the cure reaction is<br>complete, the product will<br>remain bound in the cured<br>polymer matrix. | (S) 1-Butanamine, N-butyl-N-[(triethoxysilyl)methyl]-  |
| P-19-0095A | 6 | 01/23/2020 | СВІ                               | (G) Consumer<br>Disposables,(G) Polymer<br>Sheet,(G) Durable Goods  | (G) Poly hydroxy alkanoate   |
| P-19-0103A | 5 | 01/06/2020 | CBI                               | (G) Well performance<br>monitor   | (G) Halogenated benzoic acid, ethyl ester  |

| P-19-0156A | 5 |            | Huntsman<br>International              | (S) Adjuvant for agrochemical formulations  | (S) Amides, from diethylenetriamine and palm kernel-oil, ethoxy  |
|------------|---|------------|--|---|--|
| P-19-0155A | 5 | 12/17/2019 | Huntsman<br>International<br>LLC       | (S) Adjuvant for agrochemical formulations  | (S) Amides, from C8-18 and C18-unsatd. glycerides and diethylenetriamine, ethoxylated  |
| P-19-0144A | 5 | 12/23/2019 | (USA) LLC                              | (S) A crosslinking agent in<br>epoxy based self-leveling<br>floor coatings.   | (G) Alkanedioic Acid, compds. With substituted arylalkylamine-<br>arylalcohol disubstituted alkane-the diglycidyl ether of a arylalco<br>disubstituted alkane -epichlorohydrin-aldehyde-2,2'-[(1-<br>alkylidene)bis[4,1-aryleneoxy(alkyl-2,1-<br>alkanediyl)oxyalkylene]]bis[oxirane]-alkanepolyamine polymer-<br>[2-[(2-aminoalkyl)amino]alkyl]amino]-3-aryloxy-2-alcohol react<br>products |
| P-19-0143A | 5 | 12/23/2019 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) A crosslinking agent for<br>use in epoxy resin for water-<br>based coating for a variety of<br>substrates and civil<br>applications in commercial<br>and consumer usages. | (G) Aldehyde, polymer with mixed alkanepolyamines, 2,2'-[1,4-<br>alkanediylbis(oxyalkylene)] bis[oxirane], 2-(alkoxyalkyloxirane,<br>4,4'-(1-alkylidene)bis[phenol], 2,2'-[(1-alkylidene)bis(4,1-<br>alkyleneoxyalkylene)]bis[oxirane] and 2-(aryloxyalkyl)oxirane,<br>acetate (salt)  |
| P-19-0109A | 7 | 01/23/2020 | Arch<br>Chemicals,<br>Inc.             | (S) Chemical is used as a<br>component of a cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the<br>substrate                     | (S) Copper, [ [2,2',2"-(nitrilokappa.N)tris[ethanolatokappa.O]]<br>(2-)]-;(S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;   |
| P-19-0109A | 6 | 01/14/2020 | Arch<br>Chemicals,<br>Inc.             | (S) Chemical is used as a<br>component of a cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the<br>substrate                     | (S) Copper, [ [2,2',2"-(nitrilokappa.N)tris[ethanolkappa.O]]<br>(2-)]-;(S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;  |
| P-19-0109A | 5 | 01/09/2020 | Arch<br>Chemicals,<br>Inc.             | (S) Chemical is used as a<br>component of a cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the<br>substrate                     | (S) Copper, [ [2,2',2"-(nitrilokappa.N)tris[ethanolatokappa.O]]<br>(2-)]-;(S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;   |

|            |   |            | LLC   |   |   |
|------------|---|------------|---|---|---|
| P-19-0157A | 5 | 12/17/2019 | Huntsman<br>International<br>LLC                | (S) Adjuvant in agrochemical formulations   | (S) Amides, from coconut oil and diethylenetriamine, ethoxylate   |
| P-19-0158A | 6 | 01/06/2020 | Ashland Inc.                                    | (G) Adhesive  | (G) Alkenoic acid polymer with 2-ethyl-2-(hdroxymethyl)-1,3-<br>alkyldiol, 1,1'-methylenebis(4-isocyantocarbomonocycle) and<br>3-methyl-1,5-aklydiol  |
| P-19-0164A | 2 | 01/03/2020 | Allnex USA<br>Inc.                              | (S) Site limited intermediate for coating resin manufacture.  | (G) Bis-alkoxy substituted alkane, polymer with aminoalkanol  |
| P-19-0166A | 2 |            | Fujifilm<br>Electronic<br>Materials USA<br>Inc. | (G) Photoacid generator<br>(PAG)  | (G) Triarylsulfonium alkylestersulfonate,   |
| P-19-0168A | 5 | 12/19/2019 | CBI   | (G) Well performance tracer   | (G) Halogenated alkylbenzoic acid   |
| P-19-0169A | 5 | 12/19/2019 | CBI   | (G) Well performance monitor  | (G) Halogenated alkylbenzoic acid   |
| P-20-0010A | 3 | 01/07/2020 | CBI   | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0015  | 4 | 01/13/2020 | GE Healthcare                                   | (S) The polymer is used in<br>the manufacture of hollow<br>fiber products.  | (G) Zwitterionic polysulfone polymer;(G) N-alkyl heteromonocy<br>diphenolamide, polymer with Bisphenol A, haloaryl-substituted<br>sulfone, compd. with cyclic sulfonate ester, polyaryl alcohol<br>terminated |
| P-20-0025A | 2 | 12/17/2019 | Biosynthetic<br>Technologies                    | (S) Motor oil lubricant,<br>formulation #1 (prepared at a<br>processor which is controlled<br>by others),(S) Motor oil<br>lubricant, formulation #2<br>(prepared at a processor<br>which is controlled by others) | (S) Octadecanoic acid, 12-(acetoxy)-, 2-ethylhexyl ester  |
| P-20-0025A | 3 | 01/07/2020 | Biosynthetic<br>Technologies                    | (S) Motor oil lubricant,<br>formulation #1 (prepared at a<br>processor which is controlled<br>by others),(S) Motor oil<br>lubricant, formulation #2<br>(prepared at a processor                                   | (S) Octadecanoic acid, 12-(acetoxy)-, 2-ethylhexyl ester  |

|            |   |            |  | which is controlled by others)  |  |
|------------|---|------------|--|---|--|
| P-20-0026A | 3 | 01/13/2020 | GE Healthcare  | (S) The new monomer is<br>isolated and used for<br>subsequent polymerization.   | (G) N-alkyl heteromonocyclic diphenolamide   |
| P-20-0027  | 5 | 01/10/20   | H.B. Fuller<br>Company                               | (S) Industrial Adhesives  | (G) Glycols, alpha, omega-, c2-6, polymers with adipic acid,<br>dodecanedioic acid, hydracrylic acid polyester, isophthalic acid,<br>methylenebis[4-isocyanatobenzene], neopentyl glycol and tereph<br>acid                      |
| P-20-0028  | 5 | 01/10/2020 | H.B. Fuller<br>Company                               | (S) Industrial Adhesives  | (G) glycols, alpha, omega-, c2-6, polymers with adipic acid, aron<br>polyester, dodecanedioic acid, hydracrylic acid polyester, isophth<br>acid, 1,1'-methylenebis[4-isocyanatobenzene], neopentyl glycol a<br>terephthalic acid |
| P-20-0029A | 3 | 01/14/2020 | Kuraray<br>America, Inc.                             | (G) Oil soluble additive  | (S) Octanal, 7(or 8)-formyl-   |
| P-20-0031  | 3 | 01/06/2020 | CBI  | (G) Intermediate  | (G) Perfluorinated substituted 1,3-oxathiolane dioxide   |
| P-20-0032A | 2 | 01/15/2020 | Engineered<br>Bonded<br>Structures and<br>Composites | (S) Talathol PO3, the material<br>for which this notice is filed,<br>is intended to be used as a<br>copolymer in the production<br>of urethane foam or coating.<br>This is intended to replace<br>lauan (also spelled luan)<br>paneling which is used in<br>manufacturing prefabricated<br>buildings. | (G) Polyethylene terephthalate polyol  |
| P-20-0032A | 3 | 01/24/2020 | Engineered<br>Bonded<br>Structures and<br>Composites | (S) Talathol PO3, the material<br>for which this notice is filed,<br>is intended to be used as a<br>copolymer in the production<br>of urethane foam or coating.<br>This is intended to replace<br>lauan (also spelled luan)<br>paneling which is used in<br>manufacturing prefabricated<br>buildings. | (G) Polyethylene terephthalate polyol  |
| P-20-0033  | 2 | 01/06/2020 | CDI  | (G) Intermediate  | (G) Perfluorinated vinyl haloalkane sulfonate salt   |

| P-20-0034  | 2 | 01/06/2020 | CBI                          | (G) Intermediate   | (G) Perfluorinated vinyl haloalkane sulfonyl halide  |
|------------|---|------------|------------------------------|--|--|
| P-20-0035A | 2 | 01/21/2020 | CBI                          | (G) Colorant   | (G) Substituted aromatic, 3,3'-[ [6-[(substituted alkyl amino)]-1,3<br>triazine-2,4-diyl]bis[imino[2-(substituted)-5-[substituted alkoxy]-<br>phenylene]-2,1- diazenediyl]]bis[substituted, sodium salt] |
| P-20-0039  | 2 | 01/12/2020 | Miwon North<br>America, Inc. | (S) Resins for Industrial coating  | (G) Hexanedioic acid, polymer with alkyl(substituted-alkyl)-<br>alkanediol and 1,3-isobenzofurandione, 2-propenoate  |
| P-20-0040  | 4 | 01/06/2020 | СВІ                          | (G) Additive for use in inks,<br>coatings, adhesives and<br>sealants   | (G) 2-Propenoic acid, cycloalkyl ester,  |
| P-20-0041  | 2 | 01/07/020  | Kuraray<br>America, Inc.     | (G) Chemical Intermediate<br>for Coatings  | (S) 1,3-Benzenedicarboxylic acid, polymer with 3-methyl-1,5-<br>pentanediol  |
| P-20-0042  | 2 | 01/08/2020 | СВІ                          | (G) Photoresist use at customer  | (G) Sulfonium, trisaryl-, 7,7-dialkyl-2-heteropolycyclic -1-<br>alkanesulfonate (1:1)  |
| P-20-0042A | 3 | 01/14/2020 | СВІ                          | (G) Photoacid generator use at customer  | (G) Sulfonium, trisaryl-, 7,7-dialkyl-2-heteropolycyclic -1-<br>alkanesulfonate (1:1)  |
| P-20-0044  | 1 | 01/23/2020 | Angus<br>Chemical<br>Company | (G) curing additive:<br>automotive paint,(G)<br>neutralization, stability and<br>pigment dispersancy in<br>industrial latex paints,(G)<br>neutralization, solubilization<br>and stability in commercial<br>waterborne and solvent borne<br>coatings and varnishes used<br>for wood, metal, compositites<br>and other substrates,(G)<br>solubilizer for high acid value<br>styrene acrylic polymers for<br>use in ink applications,(G)<br>additive for industrial<br>polyurethane dispersions | (S) 1-Propanamine, 3-methoxy-N,N-dimethyl  |
| P-20-0046  | 1 | 01/28/2020 | СВІ                          | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylalumuminoxanes<br>{[(pentaalkylphenyl-<br>(pentaalkylphenyl)amino)alkyl]alkanediaminato}bis(aralkyl) tran<br>metal coordination compound                  |

| P-20-0051   | 1 | 01/14/2020 | СВІ                  | (S) Curing agent for<br>Industrial epoxy coating<br>systems                               | (S) 1,8-Octanediamine, 4-(aminomethyl)-, N-benzyl derivs.   |
|-------------|---|------------|----------------------|---|---|
| SN-17-0011A | 3 | 01/16/2019 | СВІ                  | (G) Foam additive,(G)<br>Specialty gas and transfer<br>fluid                              | (G) Polyfluorohydrocarbon   |
| P-16-0424A  | 4 | 02/18/2020 | Sachem Inc           | (G) Directing agent   | (G) Tetraalkylpiperidinium hydroxide  |
| P-16-0425A  | 5 | 02/05/2020 | СВІ                  | (G) a chemical reactant used<br>in manufacturing a polymer                                | (G) amino-silane  |
| P-17-0178A  | 5 | 02/26/2020 | Shin-Etsu<br>Microsi | (G) Microlithography for<br>electronic device<br>manufacturing                            | (G) Sulfonium, triphenyl-, salt with substituted-alkyl 4-substituted benzoate   |
| P-17-0355A  | 7 | 02/05/2020 | CBI                  | (G) Site intermediate   | (G) Benzoic acid, 2-hydroxy-, -alkyl derivs.  |
| P-18-0013A  | 3 | 02/26/2020 | Shin-Etsu<br>Microsi | (G) Microlithography for<br>electronic device<br>manufacturing                            | (G) Substituted-triphenylsulfonium, inner salt  |
| P-18-0014A  | 3 | 02/26/2020 | Shin-Etsu<br>Microsi | (G) Microlithography for<br>electronic device<br>manufacturing                            | (G) Sulfonium, triphenyl-, salt with disubstituted-heterocyclic compound (1:1)  |
| P-18-0037A  | 2 | 02/26/2020 | Shin-Etsu<br>Microsi | (G) Microlithography for<br>electronic device<br>manufacturing                            | (G) Sulfonium, triphenyl-, salt with 2,4,5-trisubstituted-<br>benzenesulfonate (1:1)  |
| P-18-0151A  | 9 | 02/04/2020 | Struers Inc.         | (S) A curing agent for curing epoxy systems   | (S) Formaldehyde, reaction products with 1,3-benzenedimethanai and p-tert-butylphenol   |
| P-18-0154A  | 8 | 02/19/2020 | CBI                  | (G) Crosslinking agent for coatings   | (G) Isocyanic acid, polyalkylenepolycycloalkylene ester, 2-alkox<br>alkanol and 1-alkoxy alkanol and alkylene diol blocked  |
| P-18-0211A  | 2 | 02/17/2020 | Patcham USA<br>LLC   | (S) Wetting and dispersing<br>agent for pigment<br>formulations, paints, and<br>coatings. | (G) Alkaneamine, (aminoalkyl)-, polymer with aziridine and 1,6-<br>diisocyanatohexane, polyethylene glycol alkyl ether- and<br>polyethylene-polypropylene glycol aminoalkyl alkyl ether- and<br>alkenyl benzenated polyethylene glycol Ph ether |
| P-18-0273A  | 5 | 02/05/2020 | СВІ                  | (G) Used in polymer manufacturing.  | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester   |
| P-18-0283A  | 6 | 02/21/2020 | СВІ                  | (G) Open, non-dispersive use  | (G) Hydroxy alkanoic acid, compds. with aminoalkoxyalcohol-er polymer-alkanolamine reaction products  |

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| P-18-0289A | 4  | 02/13/2020 | СВІ                                | (G) Gas scrubbing,(G)<br>landfill deoderizing,(G)<br>wastewater deoderizing  | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol   |
|------------|----|------------|------------------------------------|--|---|
| P-18-0290A | 4  | 02/13/2020 | СВІ                                | (G) wastewater<br>deoderizing,(G) Gas<br>scrubbing,(G) Landfill odor<br>neutralizing   | (G) Carbomonocylic-oxazolidine  |
| P-18-0302A | 5  | 02/15/2020 | CBI                                | (G) Chemical intermediate  | (S) D-glucaric acid, ammonium salt (1:1)  |
| P-18-0323A | 5  | 02/25/2020 | Kuraray<br>America, Inc.           | (G) Raw material for polymer manufacturing   | (S) 2-Propenoic acid, 2-methyl-, 3-methyl-3-buten-1-yl ester  |
| P-18-0323A | 6  | 02/28/2020 | Kuraray<br>America, Inc.           | (G) Raw material for polymer manufacturing   | (S) 2-Propenoic acid, 2-methyl-, 3-methyl-3-buten-1-yl ester  |
| P-18-0326A | 6  | 02/24/2020 | СВІ                                | (G) Chemical Intermediate  | (G) Alkanoic acid, alkyl ester, manuf. of, byproducts from, distn. residues   |
| P-18-0379A | 2  | 02/11/2020 | CBI                                | (G) Hardener for waterborne<br>epoxy system  | (G) Cashew nutshell liquid polymer with Epichlorohydrin, formaldehyde, phenol, amines and glycol.,  |
| P-18-0387A | 2  | 02/06/2020 | СВІ                                | (G) Plastic Additive   | (G) Alkanal, reaction products with alkanediyl bis[alkyl-tris(alkylheterocycle)-1,3,5-triazine-2,4,6-triamine and hydrogen peroxide   |
| P-18-0388A | 2  | 02/06/2020 | СВІ                                | (G) Plastic additive   | (G) 1,3,5-triazine-2,4,6-triamine, alkanediyl bis[alkyl-tris(alkyl-<br>heterocycle)-, allyl derivs., oxidized, hydrogenated   |
| P-19-0053A | 7  | 02/28/2020 | Wacker<br>Chemical<br>Corporation  | (S) Used as a surface<br>treatment, sealant, caulk, and<br>coating for mineral building<br>materials such as concrete,<br>brick, limestone, and plaster,<br>as well as on wood, metal and<br>other substrates. | (S) 1-Butanamine, N-butyl-N-[(triethoxysilyl)methyl]-   |
| P-19-0064A | 6  | 02/21/2020 | The Sherwin<br>Williams<br>Company |  | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic &<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et<br>2-propenoate, reaction products with 2-(dimethylamino) ethanol |
| P-19-0077A | 10 | 02/19/2020 | CBI                                | (G) agricultural   | (G) alkenylamide  |
| P-19-0085A | 3  | 02/18/2020 | Neste oil US,<br>Inc.              | (G) The PMN substance will<br>be used as a functional fluid<br>in electrical equipment.  | (G) Aliphatic hydrocarbons, C16-18-branched and linear  |

| P-19-0088A | 4 | 02/26/2020 | CBI                        | (G) Feedstock for amine recovery  | (S) Ethanamine, N-ethyl-, 2-hydroxy-1,2,3-propanetricarboxylate   |
|------------|---|------------|----------------------------|---|---|
| P-19-0109A | 8 | 02/20/2020 | Arch<br>Chemicals,<br>Inc. | (G) The chemical is used as a<br>component of a cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the<br>substrate   | <ul> <li>(S) Copper, [ [2,2',2"-(nitrilokappa.N)tris[ethanolatokappa.O]</li> <li>(2-)]-</li> <li>(S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;</li> </ul>  |
| P-19-0170A | 2 | 02/06/2020 | CBI                        | (S) Coupling agent in<br>elastomer-based formulations<br>that will be used in molding<br>operations to manufacture<br>different types of rubber<br>articles including but not<br>limited to rubber tires. | (G) Heteroatom-substituted alkyl triethoxysilane, reaction produc<br>with methylated formaldehyde-melamine polymer  |
| P-20-0008A | 2 | 02/13/2020 | Archroma<br>U.S., Inc      | (S) Dye for use with paper,<br>paper products, and<br>nonwoven products produced<br>from paper.   | (G) 7-Heteropolycyclicsulfonic acid, 2-[4-[2-[1-[ [(2-methoxy-<br>5-methyl-4-sulfophenyl)amino]carbonyl]-<br>2-oxopropyl]diazenyl]phenyl]-6-methyl-, compd. with<br>(alkylamino)alkanol and (hydroxyalkyl)amine |
| P-20-0010A | 4 | 02/21/2020 | CBI                        | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0012A | 6 | 02/07/2020 | CBI                        | (G) Ink Additive  | (G) Polyol, polymer with alkyl diisocyanate, alkyl substituted heterocycle blocked  |
| P-20-0013A | 2 | 02/17/2020 | Arkema Inc.                | (G) UV curable inks   | (S) 2-Propenoic acid, 2-methyl-, (2-oxo-1,3-dioxolan-4-yl)methy ester   |
| P-20-0015A | 5 | 02/05/2020 | GE Healthcare              | (S) The polymer is used in<br>the manufacture of hollow<br>fiber products.  | (G) N-alkyl heteromonocyclic diphenolamide, polymer with Bisp<br>A, haloaryl-substituted sulfone, compd. with cyclic sulfonate este<br>polyaryl alcohol terminated  |
| P-20-0024A | 4 | 02/21/2020 | CBI                        | (G) Dispersant polymer for coatings   | (G) Phenol-formaldehyde polymer with amino-oxirane copolyme nitrobenzoates  |
| P-20-0026A | 4 | 02/04/2020 | GE Healthcare              | (S) The new monomer is<br>isolated and used for<br>subsequent polymerization.   | (G) N-alkyl heteromonocyclic diphenolamide  |
| P-20-0026A | 5 | 02/05/2020 | GE Healthcare              | (S) The new monomer is isolated and used for  | (G) N-alkyl heteromonocyclic diphenolamide  |

|            |   |            |                              | subsequent polymerization.   |  |
|------------|---|------------|------------------------------|--|--|
| P-20-0026A | 6 | 02/06/2020 | GE Healthcare                | (S) The new monomer is<br>isolated and used for<br>subsequent polymerization.  | (G) N-alkyl heteromonocyclic diphenolamide   |
| P-20-0036  | 2 | 02/06/2020 | Sigma-Aldrich<br>Co LLC      | (G) Used in the manufacture of Lithium-6 Chloride.   | (S) Carbonic acid, di(lithium-6Li) salt  |
| P-20-0037  | 3 | 02/12/2020 | Sigma-Aldrich<br>Co LLC      | (G) The material is used in<br>manufacturing devices for<br>gamma and neutron radiation<br>detection.  | (S) Lithium Chloride (6LiCl)   |
| P-20-0043  | 4 | 02/23/2020 | Saproterra                   | (S) Soil and Plant amendment   | (S) Acetic acid, 2-[ [3-(4-pyridinyl)-1H-1,2,4-triazol-5-yl]thio]-<br>compd. with 2-aminoethanol (1:1) |
| P-20-0044A | 2 | 02/21/2020 | Angus<br>Chemical<br>Company | (G) curing additive:<br>automotive paint, (G)<br>neutralization, stability and<br>pigment dispersancy in<br>industrial latex paints, (G)<br>neutralization, solubilization<br>and stability in commercial<br>waterborne and solvent borne<br>coatings and varnishes used<br>for wood, metal, compositites<br>and other substrates, (G)<br>solubilizer for high acid value<br>styrene acrylic polymers for<br>use in ink applications, (G)<br>additive for industrial<br>polyurethane dispersions | (S) 1-Propanamine, 3-methoxy-N,N-dimethyl  |
| P-20-0045  | 2 | 02/27/2020 | Torrecid USA<br>LLC          | (G) Raw material in ceramic tiles production   | (S) Iron oxide (Fe2O3), mixed with silica, calcined  |
| P-20-0050  | 2 | 02/05/2020 | CBI                          | (G) Additive in consumer products  | (S) Benzenepentanol, alpha, gamma-dimethyl-  |
| P-20-0050A | 3 | 02/20/2020 | CBI                          | (G) Additive in consumer products  | (S) Benzenepentanol, alpha, gamma-dimethyl-  |
| P-20-0051A | 2 | 02/07/2020 | CBI                          | (S) Curing agent for<br>Industrial epoxy coating   | (S) 1,8-Octanediamine, 4-(aminomethyl)-, N-benzyl derivs.  |

|            |   |            |                                     | systems   |  |
|------------|---|------------|-------------------------------------|---|--|
| P-20-0052  | 1 | 02/05/2020 | Evonik<br>Corporation               | (S) Liquid shrinkage reducing admixture for concrete  | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(3,5,5-<br>trimethylhexanoate)   |
| P-20-0054  | 1 | 02/07/2020 | СВІ                                 | (G) Catalyst is used in a closed process.   | (S) Nitrile hydratase  |
| P-20-0056  | 2 | 02/12/2020 | СВІ                                 | (G) Pigment dispersant  | (G) Polyphosphoric acids, 2-[(alkyl-1-oxo-alkene-1-yl)oxy]alkyl<br>esters, polymers with acrylic acid, alkyl acrylate, alkyl methacry<br>hydroxyalkyl methacrylate and carbomonocycle, 2,2'-(1,2-<br>diazenediyl)bis[2,4-dialkylalkanenitrogensubstituted]-initiated |
| P-20-0057  | 1 | 02/11/2020 | Nusil<br>Technology<br>LLC          | (G) Silane coupling agent used in silicone formulations.  | (G) Arene, trimethoxysilyl-, hydrolyzed  |
| P-20-0058  | 2 | 02/19/2020 | СВІ                                 | <b>-</b> • • •  | (G) Polysaccharide, polymer with unsaturated carboxylic acid an methacryloxyethyltrimethyl ammonium chloride, sodium salt, ac initiated  |
| P-20-0059  | 3 | 02/28/2020 | СВІ                                 | (S) Colorant for<br>thermoplastic resins  | (G) Propanedinitrile, 2-[ [4-[ethyl[2-[4-( substitute methyl butyl)phenoxy]ethyl]amino]-2-methylphenyl]methylene]  |
| SN-20-0001 | 1 | 02/05/2020 | СВІ                                 | (G) Carrier Fluids,(G)<br>Precision and General<br>Cleaning,(G) Aerosol solvent                                   | (S) 2-Butene, 1,1,1,4,4,4-hexafluoro-, (2Z)-   |
| P-17-0110A | 4 | 03/12/2020 | DIC<br>International<br>(USA) LLC   | (G) Masking Photopolymer  | (G) Phenol formaldehyde glycidyl ether acrylate cycloalkene est  |
| P-17-0233A | 4 | 03/09/2020 | СВІ                                 | (S) Creping Aid for Yankee<br>Dryers to manufacture tissue<br>and towel paper                                     | (G) Oxyalkylene modified polyalkyl amine alkyl diacid polymer<br>2-(chloromethyl)oxirane   |
| P-17-0414A | 6 | 03/05/2020 | СВІ                                 | (G) Monitor well<br>performance   | (G) halogenated benzoic acid   |
| P-18-0059A | 2 | 03/10/2020 | Eastman<br>Chemical<br>Company, Inc | (S) Chemical intermediate   | (S)Butanoic acid, 4-(dimethylamino)-, ethyl ester  |
| P-18-0060A | 5 | 03/10/2020 | Eastman<br>Chemical<br>Company, Inc | (S) Surfactant for Liquid<br>Dish, Liquid Laundry, and<br>Industrial Hand Wash; Export<br>only volume of the TSCA | (S) 1-Butanaminium, 4-amino-N-(2-hydroxy-3-sulfopropyl)-N,<br>N-dimethyl-4-oxo-, N-coco alkyl derivs., inner salts   |

|            |   |            |   | manufactured NCS; and FDA related uses.                                     |   |
|------------|---|------------|---|---|---|
| P-18-0069A | 3 | 03/09/2020 | Sasol<br>Chemicals<br>(USA) LLC                         | (G) Polymer performance<br>additive   | (G) Surface modified boehmite   |
| P-18-0143A | 7 | 03/03/2020 | Huntsman<br>International<br>LLC                        | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications.        | (G) Fatty acids, tall-oil polymers with aminoalkyl, dialkyl alkane diamine, polyalkylene polyamine alkanepolyamine fraction, and tris-[(alkylamino) alkyl] phenol |
| P-18-0144A | 6 | 03/03/2020 | СВІ   | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications.        | (G)Formaldehyde, polymer with an alkane diamine and phenol  |
| P-18-0152A | 6 | 03/06/2020 | CBI   | (G) Intermediate for use in manufacturing                                   | (G) Hydrolyzed Functionalized Di-amino Silanol Polymer  |
| P-18-0152A | 7 | 03/06/2020 | СВІ   | (G) Intermediate for use in manufacturing                                   | (G) Hydrolyzed Functionalized Di-amino Silanol Polymer  |
| P-18-0152A | 8 | 03/11/2020 | СВІ   | (G) Intermediate for use in manufacturing                                   | (G) Hydrolyzed Functionalized Di-amino Silanol Polymer  |
| P-18-0237A | 9 | 02/28/2020 | СВІ   | (G) Use in print resins   | (G) Alkanediol, polymer with 5-isocyanato-1-(isocyanatomethyl) 1,3,3-trimethylcyclohexane, alkylaminoalkyl methacrylate-, and dialkylheteromonocycle-blocked      |
| P-18-0292A | 6 | 02/28/2020 | СВІ   | (G) Use in print resins   | (G) alkanediol, polymer with 5-isocyanato-1-(isocyanatomethyl)-<br>1,3,3-trimethylcyclohexane, alkylaminoalkyl methacrylate-block                                 |
| P-18-0323A | 7 | 03/02/2020 | Kuraray<br>America, Inc.                                | (G) Raw material for polymer manufacturing                                  | (S) 2-Propenoic acid, 2-methyl-, 3-methyl-3-buten-1-yl ester  |
| P-18-0326A | 7 | 03/04/2020 | СВІ   | (G) Chemical Intermediate   | (G) Alkanoic acid, alkyl ester, manuf. of, byproducts from, distn. residues   |
| P-18-0330A | 2 | 03/04/2020 | CBI   | (G) Initiator   | (G) Formaldehyde, polymer with alkyl aryl ketone  |
| P-18-0376A | 4 | 03/11/2020 | Sumitomo<br>Chemical<br>Advanced<br>Technologies<br>LLC | (S) Substance used to<br>improve physical properties<br>in rubber products. | (G) Thiosulfuric acid, aminoalkyl ester   |
| P-18-0405A | 4 | 03/05/2020 | СВІ   | (G) Adhesive  | (S) Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 3,6,9,12-<br>tetraoxatetradeca-1,13-diene, glycidyl ether   |

|            |    |            | Ethox                                   | (S) As an additive to  |  |
|------------|----|------------|---|--|--|
| P-19-0036A | 3  | 03/11/2020 | Chemicals,<br>LLC                       | polymers for improvement in gas barrier performance.   | (S) 1,4-Benzenedicarboxylic acid, 1,4-bis(2-phenoxyethyl) ester  |
| P-19-0036A | 4  | 03/16/2020 | Ethox<br>Chemicals,<br>LLC              | (S) As an additive to<br>polymers for improvement in<br>gas barrier performance.                               | (S)1,4-Benzenedicarboxylic acid, 1,4-bis(2-phenoxyethyl) ester   |
| P-19-0077A | 11 | 03/13/2020 | CBI                                     | (G) Agricultural   | (G) Alkenylamide   |
| P-19-0116  | 4  | 03/24/2020 | СВІ                                     | (S) Silk protein for<br>production of fiber, and<br>Skincare use as additive in<br>dermal moisturizing lotions | (G) sr-(Wasp Spider Polypeptide-1 Oligopeptide-178)  |
| P-19-0138A | 3  | 03/13/2020 | CBI                                     | (G) Intermediate   | (G) Perfluorodioxaalkanoyl fluoride  |
| P-19-0139A | 2  | 03/13/2020 | CBI                                     | (G) Intermediate   | (G) Perfluoro-2-methyl-trioxaalkanoyl fluoride   |
| P-19-0140A | 3  | 03/13/2020 | CBI                                     | (G) Intermediate   | (G) Perfluorodioxaalkyl vinyl ether  |
| P-19-0160A | 2  | 03/04/2020 | CBI                                     | (S) Component of a UV<br>curable printing ink  | (G) Alkanesulfonic acid, 2-[(2-aminoethyl)heteroatom-substituted<br>sodium salt (1:1), polymer with alpha-[2,2-bis(hydroxymethyl)bu<br>omega-methoxypoly(oxy-1,2-ethanediyl) and 1,1'-methylenebis[4<br>isocyanatocyclohexane], acrylic acid-dipenthaerythritol reaction<br>products- and polypropylene glycol ether with pentaerythritol (4:<br>triacrylate-blocked |
| P-19-0161A | 2  | 03/12/2020 | CBI                                     | (S) Organic amine salt<br>mixture used as a foaming<br>agent in the production of<br>urethanes.                | (G) Alkano1 amine salt mixture   |
| P-19-0174A | 4  | 03/11/2020 | International<br>Lubricants Inc.        | (G) Phosphorus antiwear compound   | (G) Octadecanoic acid, (alkylphosphinyl), polyol ester   |
| P-20-0005A | 4  | 03/05/2020 | RMC<br>Advanced<br>Technologies<br>Inc. | (G) Additive for plastics and resins.  | (G) modified graphene  |
| P-20-0010A | 5  | 03/10/2020 | СВІ                                     | (G) Polymerization auxiliary   | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal   |
| P-20-0011A | 5  | 03/04/2020 | CBI                                     | (G) Light stabilizer   | (G) Tetraoxaspiro[5.5]alkyl-3,9-diylbis(alkyl-2,1-diyl) bis(2-cyan 3-(3,4-dimethoxyphenyl)acrylate)  |

| P-20-0022A | 3 | 03/05/2020 | CBI                               | (G) Fuel additive for combustion improver   | (G) Polyalkoxycarbopolycycle hydroxy  |
|------------|---|------------|-----------------------------------|---|---|
| P-20-0030A | 2 | 03/13/2020 | CBI                               | (S) Plasticizer for plastisols,<br>and in caulks and sealants   | (G) Hexanedioic acid, alkyl ester   |
| P-20-0051A | 3 | 03/11/2020 | СВІ                               | (S) Curing agent for<br>Industrial epoxy coating<br>systems   | (S) 1,8-Octanediamine, 4-(aminomethyl)-, N-benzyl derivs.   |
| P-20-0061  | 1 | 03/03/2020 | Allnex USA<br>Inc.                | (S) Coating resin crosslinking agent.   | (G) Formaldehyde, polymer with alkylphenols, alkyl ether  |
| P-20-0062  | 1 | 03/05/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, as an<br>additive in field emission<br>applications, as an additive in<br>batteries, energy storage, and<br>electrode applications, as an<br>additive to improve physical<br>or mechanical properties, as<br>an additive for weight<br>reduction, and as a heat<br>generation material.                                    | (S) Multi-walled carbon nanotubes; closed; 4.4 - 12.8 nm diamet<br>bundle length 10.6 - 211.1 um; Grade: Jenotube 6 (Substance-1) |
| P-20-0063  | 1 | 03/05/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, as an<br>additive in field emission<br>applications, as an additive in<br>batteries, energy storage, and<br>electrode applications, as an<br>additive to improve physical<br>or mechanical properties, as<br>an additive for weight<br>reduction, as a heat<br>generation material, and as a<br>heat dissipation material. | (S) Multi-walled carbon nanotubes; closed; 5.1 - 11.6 nm diamete<br>bundle length 1.9 - 552.0 um; Grade: Jenotube 8 (Substance-2) |
| P-20-0064  | 1 | 03/05/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, as an<br>additive in field emission<br>applications, as an additive in   | (S) Multi-walled carbon nanotubes; closed; 7.9 - 14.2 nm diamet<br>bundle length 9.4 - 106.4 um; Grade: Jenotube 10 (Substance-3) |

|           |   |            |                                   | batteries, energy storage, and<br>electrode applications, as an<br>additive to improve physical<br>or mechanical properties, as<br>an additive for weight<br>reduction, as a heat<br>generation material, and as a<br>heat dissipation material   |   |
|-----------|---|------------|-----------------------------------|---|---|
| P-20-0065 | 1 | 03/05/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, as an<br>additive in field emission<br>applications, as an additive in<br>batteries, energy storage, and<br>electrode applications, as an<br>additive to improve physical<br>or mechanical properties, as<br>an additive for weight<br>reduction, as a heat<br>generation material, and as a<br>heat dissipation material. | (S) Multi-walled carbon nanotubes; closed; 17.0 - 34.7 nm diame<br>globular shape; Grade: Jenotube 20 (Substance-4)   |
| P-20-0066 | 1 | 03/09/2020 | CBI                               | (G) Antiwear additive for<br>lubricants   | (G) 2-Propenoic acid, 2-hydroxyethyl ester, reaction products wit<br>dialkyl hydrogen heterosubstituted phosphate and dimethyl<br>phosphonate   |
| P-20-0067 | 1 | 03/11/2020 | Shepherd<br>Chemical              | (G) Catalyst and Additive   | (S) Neodecanoic acid, zinc salt, basic  |
| P-20-0068 | 1 | 03/11/2020 | CBI                               | (G) Perfume   | (S) 1,3-Propanediol, 2,2-dimethyl-, 1,3-diacetate   |
| P-20-0069 | 2 | 03/21/2020 | CBI                               | (G) Surface-active chemical   | (G) 2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl<br>2-methyl-2-propenoate phosphate and 2-propenoic acid salt,<br>peroxydisulfuric acid ([(HO)S(O)2]2O2) sodium salt (1:2)- and<br>sodium (disulfite) (2:1)-initiated |
| P-20-0070 | 1 | 03/16/2020 | Clariant<br>Corporation           | (S) Solvent for use in<br>formulated pesticide<br>products, and in agrochemical<br>adjuvant formulations.   | (S) Nonanamide, N,N-dimethyl-   |
| P-20-0072 | 1 | 03/18/2020 | CBI                               | (G) Additive used to impart<br>specific physicochemical   | (G) Multi-walled carbon nanotubes   |

|             |    |            |                              | properties to finished articles  |  |
|-------------|----|------------|------------------------------|--|--|
| P-20-0074   | 1  | 03/23/2020 | Clariant<br>Corporation      | (S) Surfactant for use in the formulation of pesticide products.   | (S) Oxirane, 2-methyl-, polymer with oxirane, monoundecyl ethe branched and linear   |
| P-20-0075   | 1  | 03/24/2020 | CBI                          | (G) Pigment dispersant   | (G) Phenol, 4,4'-(1-alkylalkylidene)bis-, polymer with 2-(2-<br>aminoalkoxy)alcohol,2- (chloroalkyl)oxirane, N1,N1-dialkyl-1,3-<br>alkanediamine and .alpha-hydroomegahydroxypoly[ oxy(alkyl<br>alkanediyl)], branched 4-alkylphenyl ethers,acetates (salts) |
| P-20-0076   | 1  | 03/25/2020 | Cytec<br>Industries Inc.     | (G) Mining chemical  | (S) Glycine, reaction products with sodium O-iso-Pr<br>carbonodithioate,sodium salts   |
| SN-19-0006A | 3  | 03/05/2020 | СВІ                          | (G) Component for 3D<br>Printing formulations  | (S) 2-Propen-1-one, 1-(4-morpholinyl)-   |
| P-16-0206A  | 3  | 04/21/2020 | Evonik<br>Corporation        | (S) Pigment Dispersing<br>additive for pigment<br>dispersions for industrial<br>coatings   | (G) Formaldehyde ketone condensate polymer   |
| P-16-0509A  | 12 | 04/24/2020 | СВІ                          | (G) For packaging application  | (G) Modified ethylene-vinyl alcohol copolymer  |
| P-17-0086A  | 7  | 03/20/2020 | СВІ                          | (G) Fragrance Chemical   | (G) Cycloalkyl, bis(ethoxyalkyl)-, trans- Cycloalkyl,<br>bis(ethoxyalkyl)-, cis-   |
| P-17-0294A  | 2  | 04/22/2020 | CBI                          | (S) The PMN substance will<br>be used as an organic<br>peroxide polymerization<br>initiator for unsaturated<br>acrylic, unsaturated polyester<br>and vinyl ester resins. | (S) 2-butanone, 3-methyl-, peroxide  |
| P-17-0333A  | 7  | 04/20/2020 | Miwon North<br>America, Inc. | (S) Reactive diluent for optical film coating  | (G) 2-Propenoic acid, mixed esters with heterocyclic dimethanol heterocyclic methanol  |
| P-17-0389A  | 7  | 04/28/2020 | СВІ                          | (G) Polymer precursor  | (G) Alkyl oil, polymer with 1,4-cyclohexanedimethanol, dehydra<br>Alkyl oil, hydrogentated rosin, phthalic anhydride and<br>trimethylolpropane   |
| P-18-0019A  | 4  | 03/26/2020 | Cabot<br>Corporation         | (S) Dispersive pigment   | (G) Substituted Benzene, 4-[2-[2-hydroxy-3-[ [(3-<br>nitrophenyl)amino]carbonyl]-1-naphthalenyl]diazenyl]-, sodium (1:1)   |

| P-18-0056A | 9 | 04/17/2020 | CBI                        | (S) Rubber Adhesion<br>promoter. Use in the<br>manufacturing process of<br>tires.   | (S) Cobalt Neodecanoate Propionate complexes   |
|------------|---|------------|----------------------------|---|--|
| P-18-0098A | 2 | 04/02/2020 | Allnex USA<br>Inc.         | (S) Dispersing additive for pigments  | (G) Polyphosphoric acids, polymers with (alkoxyalkoxy)alkanol substituted heteromonocycle  |
| P-18-0104A | 8 | 03/18/2020 | СВІ                        | (S) Halogen free flame<br>retardant in thermoplastic<br>polymers  | (G) Acrylic acid, reaction products with pentaerythritol, polymer  |
| P-18-0150A | 5 | 03/24/2020 | СВІ                        | (G) Component of an industrial coating  | (G) Tertiary amine, compounds with amino sulfonic acid blocked aliphatic isocyanate homopolymer  |
| P-18-0154A | 9 | 04/23/2020 | CBI                        | (G) Crosslinking agent for coatings   | (G) IIsocyanic acid, polyalkylenepolycycloalkylene ester, 2-alkoy alkanol and 1-alkoxy alkanol and alkylene diol blocked,  |
| P-18-0258A | 4 | 04/14/2020 | CBI                        | (G) Copolyamide for<br>Packaging Films, Molding<br>Parts, and Monofilament  | (G) Dioic acids, polymers with caprolactam and alkyldiamines,  |
| P-18-0259A | 4 | 04/14/2020 | CBI                        | (G) Copolyamide for<br>Packaging Films, Molding<br>Parts,and Monofilament   | (G) Fatty acids, dimers, hydrogenated, polymers with caprolactar alkyl diamine   |
| P-18-0262A | 7 | 04/24/2020 | Seppic                     | (S) Function: Stabilizer of<br>suspensions Applications:<br>Detergency  | (S) 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with<br>ammonium 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-<br>1-propanesulfonate (1:1), N,N-dimethyl-2-propenamide and .alph<br>(2-methyl-1-oxo-2-propen-1-yl)omega(dodecyloxy)poly(oxy-<br>ethanediyl) |
| P-18-0270A | 5 | 04/27/2020 | Specialty<br>Elements, LLC | (S) Active co-solvent for<br>solvent-based coatings,<br>coalescent for industrial<br>water-based coatings,<br>coupling agent and solvent in<br>industrial cleaners, rust<br>removers, hard surface<br>cleaners, and disinfectants,<br>primary solvent-based silk<br>screen printing, coupling<br>agent for resins and dyes in<br>water-based printing inks, | (G) Ethanol, 2-butoxy-, 1,1'-ester   |

|            |   |            |   | and co-solvent for  |  |
|------------|---|------------|---|---|--|
|            |   |            |   | agricultural pesticides.  |  |
| P-18-0271A | 5 | 04/27/2020 | Specialty<br>Elements, LLC                              | (S) Active co-solvent for<br>solvent-based coatings,<br>coalescent for industrial<br>water-based coatings,<br>coupling agent and solvent in<br>industrial cleaners, rust<br>removers, hard surface<br>cleaners, and disinfectants,<br>primary solvent-based silk<br>screen printing, coupling<br>agent for resins and dyes in<br>water-based printing inks,<br>and co-solvent for<br>agricultural pesticides. | (G) 2-Propanol, 1-butoxy-, 2,2'-ester  |
| P-18-0326A | 8 | 04/27/2020 | CBI   | (G) Chemical Intermediate   | (G) Alkanoic acid, alkyl ester, manuf. of, byproducts from, distn residues   |
| P-18-0327A | 6 | 04/20/2020 | CBI   | (G) Filler for non-dispersive resins.   | (G) Mixed Metal Oxide  |
| P-18-0329A | 3 | 03/20/2020 | CBI   | (G) Component of lenses<br>used in electronic<br>applications   | (G) Substituted carbopolycyclic dicarboxylic acid dialkyl ester,<br>polymer with alkanediol and carbopolycyclic bis (substituted<br>carbopolycycle) bisalkanol |
| P-18-0376A | 5 | 03/30/2020 | Sumitomo<br>Chemical<br>Advanced<br>Technologies<br>LLC | (S) Substance used to<br>improve physical properties<br>in rubber products.   | (G) Thiosulfuric acid, aminoalkyl ester  |
| P-18-0380A | 6 | 04/07/2020 | СВІ   | (G) Automotive brake parts<br>(contained use)   | (G) Butanoic acid ethyl amine  |
| P-18-0381A | 3 | 03/30/2020 | The Shepherd<br>Color company                           | (G) For use in exterior paints and plastics   | (S) Indium manganese yttrium oxide   |
| P-18-0382A | 2 | 04/08/2020 | СВІ   | (G) Dye for printing ink  | (G) Xanthylium, bis[dicarboxycyclic]sulfonylamino-alkylcyclica<br>disulfo-sulfocyclic-, inner salt, monocationic salt  |
| P-19-0019A | 4 | 04/17/2020 | CBI   | (G) Intermediate  | (G) Haloalkane   |

| P-19-0048A | 6  | 03/18/2020 | СВІ                               | (G) Coating additive   | (S) Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-, m<br>C12-14-alkyl ethers, phosphates, sodium salts  |
|------------|----|------------|-----------------------------------|--|---|
| P-19-0053A | 8  | 03/23/2020 | Wacker<br>Chemical<br>Corporation | (S) Used as a surface<br>treatment, sealant, caulk, and<br>coating for mineral building<br>materials such as concrete,<br>brick, limestone, and plaster,<br>as well as on wood, metal and<br>other substrates. | (S) 1-Butanamine, N-butyl-N-[(triethoxysilyl)methyl]-   |
| P-19-0077A | 12 | 03/31/2020 | CBI                               | (G) agricultural   | (G) alkenylamide  |
| P-19-0088A | 5  | 04/13/2020 | СВІ                               | (G) Feedstock for amine recovery   | (S) Ethanamine, N-ethyl-, 2-hydroxy-1,2,3-propanetricarboxylate   |
| P-19-0109A | 9  | 04/07/2020 | Arch<br>Chemicals,<br>Inc.        | (G) The chemical is used as a<br>component of a cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the<br>substrate  | (S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;  |
| P-19-0122A | 2  | 03/31/2020 | CBI                               | (G) Reactant monomer in a polymer for industrial use   | (G) 2-propenoic acid, 2-(hydrogenated animal-based nitrogen-<br>substituted) ethyl ester  |
| P-19-0134A | 6  | 04/02/2020 | Conklin Co.,<br>Inc.              | (S) Binder for moisture cure coatings  | (G) [5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexa<br>[Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydrox<br>polymer with 1,6-diisocyanatohexane], polymer with [Poly(oxy-1<br>butanediyl), .alphahydroomegahydroxy-], [Cyclic amine - ke<br>adduct, reduced], and [1,3-Propanediol, 2-ethyl-2-(hydroxymethy |
| P-19-0134A | 7  | 04/15/2020 | СВІ                               | (S) Binder for moisture cure coatings  | (G) [5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexa<br>[Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydrox<br>polymer with 1,6-diisocyanatohexane], polymer with [Poly(oxy-1<br>butanediyl), .alphahydroomegahydroxy-], [Cyclic amine - ke<br>adduct, reduced], and [1,3-Propanediol, 2-ethyl-2-(hydroxymethy |
| P-19-0145A | 7  | 03/30/2020 | ARC Products,<br>INC              | (S) Oil Field Drilling Fluid<br>Additive,Oil Field Petroleum<br>Production Fluid Additive,<br>and Oilfield Fracturing Fluid<br>Additive  | (G) Polyazaalkane with oxirane and methyloxirane, haloalkane  |

| P-19-0153A | 5 | 03/18/2020 | Wego<br>Chemical<br>Group                            | (S) Raw material in Flame<br>Retardant product  | (G) Dibromoalkyl ether Tetrabromobisphenol A  |
|------------|---|------------|--|---|---|
| P-19-0174A | 5 | 03/18/2020 | International<br>Lubricants Inc.                     | (G) Phosphorus antiwear compound  | (G) Octadecanoic acid, (alkylphosphinyl), polyol ester  |
| P-19-0189A | 2 | 03/24/2020 | СВІ  | (S) Reactive polymer for use in adhesives and sealants.   | (G) Fatty acids, polymers with alkanediol and 1,1'-methylenebis[-<br>isocyanatobenzene]   |
| P-20-0010A | 6 | 03/20/2020 | СВІ  | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0011A | 6 | 04/22/2020 | СВІ  | (G) Light stabilizer  | (G) Tetraoxaspiro[5.5]alkyl-3,9-diylbis(alkyl-2,1-diyl) bis(2-cyan 3-(3,4-dimethoxyphenyl)acrylate)   |
| P-20-0027A | 6 | 04/03/2020 | H.B. Fuller<br>Company                               | (S) Industrial Adhesives  | (G) Glycols, alpha, omega-, C2-6, polymers with adipic acid,<br>dodecanedioic acid, hydracrylic acid polyester, isophthalic acid, 1<br>methylenebis[4-isocyanatobenzene], neopentyl glycol and terephi<br>acid          |
| P-20-0028A | 6 | 04/03/2020 | H.B. Fuller<br>Company                               | (S) Industrial Adhesives  | (G) Glycols, alpha, omega-, C2-6, polymers with adipic acid, aron polyester, dodecanedioic acid, hydracrylic acid polyester, isophth acid, 1,1'-methylenebis[4-isocyanatobenzene], neopentyl glycol a terephthalic acid |
| P-20-0029A | 4 | 03/20/2020 | Kuraray<br>America, Inc.                             | (G) Oil soluble additive  | (S) Octanal, 7(or 8)-formyl-  |
| P-20-0032A | 4 | 03/26/2020 | Engineered<br>Bonded<br>Structures and<br>Composites | (S) Talathol PO3, the material<br>for which this notice is filed,<br>is intended to be used as a<br>copolymer in the production<br>of urethane foam or coating. | (G) Polyethylene terephthalate polyol   |
| P-20-0039A | 3 | 04/16/2020 | Miwon North<br>America, Inc.                         | (S) Resins for Industrial coating   | (G) Hexanedioic acid, polymer with alkyl(substituted-alkyl)-<br>alkanediol and 1,3-isobenzofurandione, 2-propenoate   |
| P-20-0041A | 3 | 03/25/2020 | Kuraray<br>America, Inc.                             | (G) Chemical Intermediate<br>for Coatings   | (S) 1,3-Benzenedicarboxylic acid, polymer with 3-methyl-1,5-<br>pentanediol   |
| P-20-0046A | 2 | 04/09/2020 | CBI  | (G) Catalyst  | (G) Reaction products of alkyl-terminated alkylalumuminoxanes<br>{[(pentaalkylphenyl-<br>(pentaalkylphenyl)amino)alkyl]alkanediaminato}bis(aralkyl) tran<br>metal coordination compound                                 |

| P-20-0046A | 3 | 04/27/2020 | CBI                     | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylalumuminoxanes<br>{[(pentaalkylphenyl-<br>(pentaalkylphenyl)amino)alkyl]alkanediaminato}bis(aralkyl) tran<br>metal coordination compound   |
|------------|---|------------|-------------------------|--|---|
| P-20-0048  | 2 | 04/09/2020 | CBI                     | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylaluminoxanes and<br>dihalogeno(alkylcyclopentadienyl)<br>(tetraalkylcyclopentadienyl)transition metal coordination compou  |
| P-20-0048A | 3 | 04/27/2020 | CBI                     | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylaluminoxanes and<br>dihalogeno(alkylcyclopentadienyl)<br>(tetraalkylcyclopentadienyl)transition metal coordination compou  |
| P-20-0049  | 2 | 04/09/2020 | CBI                     | (G) Catalyst   | (G) Reaction products of alkyl-aluminoxanes and bis(alkylcyclodialkylene)dihalogenozirconium  |
| P-20-0049A | 3 | 04/27/2020 | CBI                     | (G) Catalyst   | (G) Reaction products of alkyl-aluminoxanes and<br>bis(alkylcyclodialkylene)dihalogenozirconium   |
| P-20-0052A | 2 | 04/15/2020 | Evonik<br>Corporation   | (S) Liquid shrinkage reducing admixture for concrete             | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(3,5,5-<br>trimethylhexanoate)  |
| P-20-0052A | 3 | 04/17/2020 | Evonik<br>Corporation   | (S) Liquid shrinkage reducing admixture for concrete             | (S) Oxirane, 2-methyl-, polymer with oxirane, mono(3,5,5-<br>trimethylhexanoate)  |
| P-20-0054A | 3 | 04/06/2020 | CBI                     | (G) Catalyst is used in a closed process.                        | (S) Nitrile hydratase   |
| P-20-0056A | 3 | 04/13/2020 | CBI                     | (G) Pigment dispersant   | (G) Polyphosphoric acids, 2-[(alkyl-1-oxo-alkene-1-yl)oxy]alkyl esters, polymers with acrylic acid, alkyl acrylate, alkyl methacryl hydroxyalkyl methacrylate and carbomonocycle, 2,2'-(1,2-diazenediyl)bis[2,4-dialkylalkanenitrogensubstituted]-initiated |
| P-20-0066A | 2 | 03/22/2020 | CBI                     | (G) Antiwear additive for lubricants                             | (G) 2-Propenoic acid, 2-hydroxyethyl ester, reaction products wit dialkyl hydrogen heterosubstituted phosphate and dimethyl phosphonate   |
| P-20-0073  | 2 | 03/26/2020 | CBI                     | (G) Oil and gas production chemistry                             | (G) Dialkylamino-alkylamino-alkyloxycarbonic acid acetate   |
| P-20-0074A | 2 | 04/17/2020 | Clariant<br>Corporation | (S) Surfactant for use in the formulation of pesticide products. | (S) Oxirane, 2-methyl-, polymer with oxirane, monoundecyl ethe branched and linear  |
| P-20-0075A | 2 | 03/26/2020 | CBI                     | (G) Pigment dispersant   | (G) Phenol, 4,4'-(1-alkylalkylidene)bis-, polymer with 2-(2-<br>aminoalkoxy)alcohol,2-(chloroalkyl)oxirane, N1,N1-dialkyl-1,3-<br>alkanediamine and .alpha-hydroomegahydroxypoly[ oxy(alkyl   |

|             |   |            |                                    |  | alkanediyl)], branched 4-alkylphenyl ethers, acetates (salts)  |
|-------------|---|------------|------------------------------------|--|--|
| P-20-0078   | 1 | 03/30/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)   |
| P-20-0079   | 1 | 03/30/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2  |
| P-20-0080   | 4 | 04/07/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)   |
| P-20-0081   | 4 | 04/07/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)   |
| P-20-0082   | 4 | 04/07/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)   |
| P-20-0083   | 1 | 03/31/2020 | CBI                                | (G) Reactant monomer in a polymer for industrial use   | (G) 2-propenoic acid, nitrogen-substituted alkyl, N-C16-18-acyl (  |
| P-20-0084   | 2 | 04/02/2020 | CBI                                | (G) paper treatment additive   | (G) 2-propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester,<br>polymers with 2-(C16-18-acylamino)ethyl acrylate and hydroxya<br>acrylate, acetates (salts) |
| P-20-0086   | 2 | 04/22/2020 | Daicel<br>Chemtech, Inc.           | (G) Component of polymers  | (G) 2-Oxepanone, homopolymer, ester with hydroxyalkyl trioxo<br>heteromonocyclic (3:1)   |
| P-20-0087   | 2 | 04/24/2020 | Evonik<br>Corporation              | (S) Component in Hard<br>Surface Cleaners, and<br>Laundry Detergent  | (S) Alcohols, C8-10-iso-, C9-rich, ethoxylated   |
| P-20-0090   | 2 | 04/23/2020 | Clariant<br>Corporation            | (S) Surfactant for use in dishwashing detergents.  | (G) Poly(oxy-1,2-ethanediyl), .alpha(alkyl-hydroxyalkyl)omeg<br>hydroxy-, .omegaalkyl ethers   |
| SN-16-0013A | 3 | 03/16/2020 | CBI                                | (G) Surfactant   | (G) Polyfluorinated alkyl quaternary ammonium chloride   |
| SN-20-0002  | 2 | 04/02/2020 | Dover<br>Chemical<br>Corporation   | (S) Lubricant in metal-<br>working fluids, grease, oil<br>and engine oils;<br>Plasticizer/flame retardant in<br>textiles, polymers, and paints,<br>and Flame retardant in rubber | (S) Alkanes, C24-28, chloro  |

|             |    |            |                           | compounds  |   |
|-------------|----|------------|---------------------------|--|---|
| SN-20-0003  | 4  | 04/13/2020 | Dynax<br>Corporation      | (S) An anionic<br>fluorosurfactant for main use<br>(>98%) in firefighting foam<br>concentrates such as AFFF<br>(Aqueous Film Forming<br>Foam) and AR-AFFF<br>(Alcohol Resistant Aqueous<br>Fim Forming Foam), and for<br>very minor use (<2%) in<br>coatings and ink applications. | (S) 1-Propanesulfonic acid, 2-methyl-2-[ [1-oxo-3-<br>[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propyl]amino]-<br>sodium salt (1:1) |
| SN-20-0003A | .5 | 04/15/2020 | Dynax<br>Corporation      | (S) An anionic<br>fluorosurfactant for main use(<br>>98%) in firefighting foam<br>concentrates such as AFFF<br>(Aqueous Film Forming<br>Foam) and AR-AFFF<br>(Alcohol Resistant Aqueous<br>Fim Forming Foam), and for<br>very minor use (<2%) in<br>coatings and ink applications. | (S) 1-Propanesulfonic acid, 2-methyl-2-[[1-oxo-3-<br>[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propyl]amino]-,<br>sodium salt (1:1) |
| SN-20-0004  | 2  | 04/15/2020 | Molecular<br>Rebar Design | (S) For use as an additive in batteries and energy storage devices.  | (S) single-walled carbon nanotubes  |
| SN-20-0004A | 3  | 04/20/2020 | Molecular<br>Rebar Design | (S) F or use as an additive for<br>enhanced electrical<br>conductivity and mechanical<br>strength in both the cathode<br>and anode of batteries and<br>energy storage devices.   | (S) single-walled carbon nanotubes  |
| P-16-0417A  | 3  | 05/11/2020 | СВІ                       | (G) Adhesive for open, non-<br>descriptive use   | (G) Isocyanate terminated polyurethane resin  |
| P-17-0002A  | 5  | 04/30/2020 | СВІ                       | (G) Printing ink applications.   | (G) Styrene(ated) copolymer with alkyl(meth)acrylate, and (meth)acrylic acid.   |
| P-17-0003A  | 11 | 04/30/2020 | СВІ                       | (G) Printing ink applications  | (G) Styrene(ated) copolymer with alkyl(meth)acrylate, and (meth)acrylic acid  |

| P-17-0026A | 5  | 04/30/2020 | СВІ   | (G) Industrial Ink printing applications                              | (G) Cycloaliphatic diamine, polymer with .alpha-hydroomega<br>hydroxypoly(oxy-alkanediyl), .alpha-hydroomegahydroxypoly<br>alkanediyl), and cycloaliphatic diisocyanate  |
|------------|----|------------|---|---|--|
| P-17-0195A | 8  | 05/13/2020 | СВІ   | (G) For manufacturing<br>modified Ethylene vinyl<br>alcohol copolymer | (G) 1,3-Propanediol,2-methylene-, substituted  |
| P-17-0324A | 2  | 05/07/2020 | Vertellus<br>Specialties Inc.                   | (S) Chemical intermediate,<br>destructive use                         | (S) 2,4-Hexadien-1-ol, 1-acetate, (2E,4E)-   |
| P-17-0333A | 8  | 05/15/2020 | Miwon North<br>America, Inc.                    | (S) Reactive diluent for optical film coating                         | (G) 2-Propenoic acid, mixed esters with heterocyclic dimethanol heterocyclic methanol  |
| P-17-0376A | 7  | 05/18/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (S) Textile additive  | (G) 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester polymer w<br>hexadecyl 2-propenoate, octadecyl 2-propenoate and<br>3,3,4,4,5,5,6,6,7,7,8,8,8-tridecasubstitutedoctyl 2-propenoate                                    |
| P-17-0377A | 7  | 05/18/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (S) Textile Additive  | (G) 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer v<br>hexadecyl 2-propenoate, octadecyl 2-propenoate and<br>3,3,4,4,5,5,6,6,7,7,8,8,8-tridecasubstitutedoctyl 2-methyl-2-prope                               |
| P-17-0378A | 7  | 05/18/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (S) Textile additive  | (G) 2-Propenoic acid, 2-methyl-, hexadecyl ester, polymer with<br>2-hydroxyethyl 2-methyl-2-propenoate, octadecyl 2-methyl-<br>2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecasubstitutedoctyl<br>2-propenoate          |
| P-17-0379A | 7  | 05/18/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (S) Textile Additive  | (G) 2-Propenoic acid, 2-methyl-, hexadecyl ester, polymer with<br>2-hydroxyethyl 2-methyl-2-propenoate, octadecyl 2-methyl-<br>2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecasubstitutedoctyl<br>2-methyl-2-propenoate |
| P-18-0146A | 3  | 05/19/2020 | Arakawa<br>Chemical<br>(USA) Inc.               | (G) Primer paint binders for open non-dispersive uses                 | (G) Modified fat amines, polymers with bisphenol A, alkanolami<br>epichlorohydrin, alkylamine and substituted isocyanato<br>[isocyanatoalkylcarbomonocyle]   |
| P-18-0151A | 10 | 05/21/2020 | Struers Inc.                                    | (S) A curing agent for curing epoxy systems                           | (S) Formaldehyde, reaction products with 1,3-benzenedimethanai and p-tert-butylphenol  |
| P-18-0153A | 3  | 05/20/2020 | СВІ   | (G) Mixed metal oxide for batteries                                   | (G) Lithium mixed metal oxide  |
| P-18-0170A | 5  | 05/23/2018 | СВІ   | (G) Textile treatment   | (S) 1-Propanaminium, N,N'-(oxydi-2,1-ethanediyl)bis[3-chloro-<br>2-hydroxy-N,N-dimethyl-, dichloride   |

| P-18-0178A | 3 | 05/20/2020 | CBI                            | (S) Stabilizer for PVC   | (G) Dialkyltin dialkylcarboxylate  |
|------------|---|------------|--------------------------------|--|--|
| P-18-0217A | 4 | 05/20/2020 | Galata<br>Chemicals<br>LLC     | (S) Stabilizer for PVC compound  | (G) Alkyltin dodecylthioester  |
| P-18-0218A | 4 | 05/20/2020 | Galata<br>Chemicals<br>LLC     | (S) Stabilizer for PVC compound  | (G) Alkyltin tetradecylthioester   |
| P-18-0235A | 3 | 12/28/2018 | CBI                            | (S) Component in automotive<br>gasoline/transportation fuel<br>for consumer use.             | (G) Naphtha Oils   |
| P-18-0289A | 5 | 05/22/2020 | CBI                            | (G) Gas scrubbing, landfill<br>deoderizing, and wastewater<br>deoderizing                    | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol  |
| P-18-0290A | 5 | 05/22/2020 | CBI                            | (G) Gas scrubbing,<br>wastewater deoderizing, and<br>landfill odor neutralizing              | (G) Carbomonocylic-oxazolidine   |
| P-18-0320A | 2 | 05/01/2020 | CBI                            | (G) Hardner  | (G) Alkane, diisocyanato-(isocyanatoalkyl)-  |
| P-18-0330A | 3 | 05/20/2020 | CBI                            | (G) initiator  | (G) Formaldehyde, polymer with alkyl aryl ketone   |
| P-18-0332A | 2 | 05/21/2020 | Cargill, Inc                   | (G) a component in building materials  | (S) Canola Meal  |
| P-18-0333A | 2 | 05/21/2020 | Cargill, Inc                   | (G) a component in building materials  | (S) Flaxseed Meal  |
| P-18-0340A | 3 | 05/18/2020 | Lanxess<br>Solutions US<br>Inc | (S) One component thermoset elastomer manufacture.   | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-, poly with 1,1'-methylenebis[4-isocyanatobenzene], caprolactam-block  |
| P-18-0348A | 2 | 05/18/2020 | Lanxess<br>Solutions US<br>Inc | (S) Thermoplastic elastomer<br>manufacture / Injection<br>Moulding                           | (S) Ethanol, 2,2'-[1,4-phenylenebis(oxy)]bis-, polymer with 1,6-<br>diisocyanatohexane and -hydrohydroxypoly(oxy-1,4-butanediy]                                      |
| P-18-0349A | 4 |            | Lanxess<br>Solutions US<br>Inc | (S) Two component<br>adhesives and protective<br>coatings for marine,<br>infrastructure, etc | (S) Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-<br>propanetriol (3:1), polymer with 2,4-diisocyanato-1-methylbenze<br>branched 4-nonylphenol-blocked |
| P-18-0350A | 3 | 05/14/2020 | Evonik<br>Corporation          | (S) Additive in water-borne<br>UV-curable coatings, Filler<br>pigment treatment, and Glass   | (G) Aqueous methacrylamido modified polysiloxane   |

|            |   |            |   | fiber treatment  |   |
|------------|---|------------|---|--|---|
| P-18-0360A | 2 | 05/18/2020 | Lanxess<br>Solutions US<br>Inc                | (S) Two component<br>adhesives and protective<br>coatings for marine,<br>infrastructure, etc.  | (S) Oxirane, 2-methyl-, polymer with 2,4-diisocyanato-<br>1-methylbenzene, 2-methyloxirane polymer with oxirane ether w<br>1,2,3-propanetriol (3:1), and oxirane, cashew nutshell liq and Pr<br>-blocked.                                       |
| P-18-0361A | 4 | 05/18/2020 | Lanxess<br>Solutions US<br>Inc                | (S) Electrophoretic paint  | (S) Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, pol<br>with 1,3,5-tris(6-isocyanatohexyl)-1,3,5-triazine-2,4,6(1H,3H,5H<br>trione, 3,5-dimethyl- 1H-pyrazole-blocked   |
| P-18-0362A | 2 | 05/18/2020 | Lanxess<br>Solutions US<br>Inc                | (S) Corrosion protection<br>coatings   | (S) 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2<br>diisocyanato-1-methyl-benzene, -hydrohydroxypoly[oxy(methy<br>ethanediyl)] and -1,2,3-propanetriyltris[-hydroxypoly[oxy(methy]<br>ethanediyl)]], Me Et ketone oxime -blocked |
| P-18-0380A | 7 | 05/07/2020 | CBI   | (G) Automotive brake parts<br>(contained use)  | (G) Butanoic acid ethyl amine   |
| P-18-0403A | 4 | 05/22/2020 | Clariant<br>Plastics &<br>Coatings USA<br>Inc | (S) Dispersing agent for<br>pigments, paints, and<br>coatings.   | (S) 2-Propenoic acid, 2-methyl-, butyl ester, polymer with<br>2-(dimethylamino)ethyl 2-methyl-2-propenoate and 2-ethylhexyl<br>2-methyl-2-propenoate  |
| P-18-0405A | 5 | 05/20/2020 | CBI   | (G) adhesive   | (S) Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 3,6,9,12-<br>tetraoxatetradeca-1,13-diene, glycidyl ether   |
| P-19-0041A | 3 | 05/01/2020 | CBI   | (G) Oil water separation   | (G) Alkyl diester, polymer with (dialkylamino alkyl) amine and bis(halogenated alkyl) ether   |
| P-19-0042A | 3 | 05/01/2020 | CBI   | (G) Oil water separation   | (G) Alkyl diester, polymer with (dialkylamino alkyl) amine and bis(halogenated alkyl) ether   |
| P-19-0043A | 3 | 05/01/2020 | CBI   | (G) Oil water separation   | (G) Alkyl dicarboxylic acid, polymer with (dialkylamino alkyl) a and bis(halogenated alkyl) ether   |
| P-19-0044A | 3 | 05/01/2020 | CBI   | (G) Oil water separation   | (G) Alkyl bis(dialkylamino alkyl) amide polymer with bis(haloge alkyl) ether  |
| P-19-0053A | 9 | 05/19/2020 | Wacker<br>Chemical<br>Corporation             | (S) Used as a surface<br>treatment, sealant, caulk, and<br>coating for mineral building<br>materials such as concrete,<br>brick, limestone, and plaster,<br>as well as on wood, metal and<br>other substrates. | (S) 1-Butanamine, N-butyl-N-[(triethoxysilyl)methyl]-   |

| P-19-0064A | 7  | 03/27/2020 | The Sherwin<br>Williams<br>Company      | (G) Polymeric film former for coatings  | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic &<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et<br>2-propenoate, reaction products with 2-(dimethylamino) ethanol |
|------------|----|------------|---|---|---|
| P-19-0064A | 8  | 05/15/2020 | The Sherwin<br>Williams<br>Company      | (G) Polymeric film former for coatings  | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic &<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et<br>2-propenoate, reaction products with 2-(dimethylamino) ethanol |
| P-19-0084A | 3  | 05/13/2020 | CBI                                     | (S) Flame retardant   | (S) DIphosphoric acid, compd. with 1,3,5-triazine-2,4,6-triamine  |
| P-19-0109A | 10 | 05/06/2020 | Arch<br>Chemicals,<br>Inc.              | (G) The chemical is used as a<br>component of a cleaning<br>formulation to improve the<br>wettability of the overall<br>cleaning solution on the<br>substrate | (S) Copper, [[2,2',2"-(nitrilokappa.N)tris[ethanolatokappa.O]]<br>(2-)]-;(S) Copper, bis[2-(aminokappa.N)ethanolatokappa.O]-;   |
| P-19-0116A | 5  | 05/26/2018 | СВІ                                     | (S) Silk protein for<br>production of fiber, Skincare<br>use as additive in dermal<br>moisturizing lotions  | (G) sr-(Wasp Spider Polypeptide-1 Oligopeptide-178)   |
| P-19-0153A | 6  | 04/30/2020 | Wego<br>Chemical<br>Group               | (S) Raw material in Flame<br>Retardant product  | (G) Dibromoalkyl ether Tetrabromobisphenol A  |
| P-19-0153A | 7  | 05/05/2020 | Wego<br>Chemical<br>Group               | (S) Raw material in Flame<br>Retardant product  | (G) Dibromoalkyl ether Tetrabromobisphenol A  |
| P-20-0005A | 5  | 05/08/2020 | RMC<br>Advanced<br>Technologies<br>Inc. | (G) Additive for plastics and resins.   | (G) modified graphene   |
| P-20-0010A | 7  | 05/08/2020 | СВІ                                     | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0015A | 6  | 05/21/2020 | GE Healthcare                           | (S) The polymer is used in<br>the manufacture of hollow<br>fiber products.  | (G) N-alkyl heteromonocyclic diphenolamide, polymer with Bisp<br>A, haloaryl-substituted sulfone, compd. with cyclic sulfonate este<br>polyaryl alcohol terminated  |

| P-20-0036A | 3 | 05/21/2020 | Sigma-Aldrich<br>co LLC           | (G) Used in the manufacture of Lithium-6 Chloride.   | (S) Carbonic acid, di(lithium-6Li) salt   |
|------------|---|------------|-----------------------------------|--|---|
| P-20-0037A | 4 | 05/21/2020 | Sigma-Aldrich<br>co LLC           | (G) The material is used in<br>manufacturing devices for<br>gamma and neutron radiation<br>detection.  | (S) Lithium Chloride (6LiCl)  |
| P-20-0047  | 6 | 05/14/2020 | Nanosystems<br>Inc                | (S) Hydrophilic polyurethane<br>prepolymer used to<br>manufacture flexible foams.  | (G) Oxirane, 2-methyl-, polymer with oxirane, ether with propand<br>(3:1), polymer with poly(oxy-1,2-ethanediyl) and<br>methylenebis[isocyanatobenzene] |
| P-20-0062A | 2 | 05/11/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, an<br>additive in field emission<br>applications, an additive in<br>batteries, energy storage, and<br>electrode applications, an<br>additive to improve physical<br>or mechanical properties, an<br>additive for weight reduction,<br>a heat generation and<br>dissipation material       | (S) Multi-walled carbon nanotubes; closed; 4.4 - 12.8 nm diamete<br>bundle length 10.6 - 211.1 um; Grade: Jenotube 6 (Substance-1)                      |
| P-20-0063A | 2 | 05/11/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, an<br>additive in field emission<br>applications, an additive in<br>batteries, energy storage, and<br>electrode applications, an<br>additive to improve physical<br>or mechanical properties, an<br>additive for weight reduction,<br>a heat generation and heat<br>dissipation material. | (S) Multi-walled carbon nanotubes; closed; 5.1 - 11.6 nm diamete<br>bundle length 1.9 - 552.0 um; Grade: Jenotube 8 (Substance-2)                       |
| P-20-0064A | 2 | 05/11/2020 | Inabata<br>America<br>Corporation | (S) Use as an additive in<br>batteries, energy storage, and<br>electrode applications, an<br>additive to improve physical<br>or mechanical properties, an<br>additive for weight reduction,  | (S) Multi-walled carbon nanotubes; closed; 7.9 - 14.2 nm diamete<br>bundle length 9.4 - 106.4 um; Grade: Jenotube 10 (Substance-3)                      |

|            |   |            |                                     | a heat generation and<br>dissipation material, and<br>electrically conductive<br>material and an additive in<br>field emission applications.   |   |
|------------|---|------------|-------------------------------------|--|---|
| P-20-0065A | 2 | 05/11/2020 | Inabata<br>America<br>Corporation   | (S) Use as an electrically<br>conductive material, an<br>additive in field emission<br>applications, batteries, energy<br>storage, and electrode<br>applications. Use as an<br>additive to improve physical<br>or mechanical properties, an<br>additive for weight reduction,<br>a heat generation and heat<br>dissipation material. | (S) Multi-walled carbon nanotubes; closed; 17.0 - 34.7 nm diame<br>globular shape; Grade: Jenotube 20 (Substance-4)   |
| P-20-0069A | 3 | 05/15/2020 | СВІ                                 | (G) Surface-active chemical  | (G) 2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl<br>2-methyl-2-propenoate phosphate and 2-propenoic acid salt,<br>peroxydisulfuric acid ([(HO)S(O)2]2O2) sodium salt (1:2)- and<br>sodium (disulfite) (2:1)-initiated |
| P-20-0069A | 4 | 05/16/2020 | CBI                                 | (G) Surface-active chemical  | (G) 2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl<br>2-methyl-2-propenoate phosphate and 2-propenoic acid salt,<br>peroxydisulfuric acid ([(HO)S(O)2]2O2) sodium salt (1:2)- and<br>sodium (disulfite) (2:1)-initiated |
| P-20-0076A | 2 | 05/21/2020 | Cytec<br>Industries Inc.            | (G) Mining chemical  | (S) Glycine, reaction products with sodium O-iso-Pr carbonodithi sodium salts   |
| P-20-0085  | 5 | 05/07/2020 | Luna<br>Innovations<br>Incorporated | (S) Fluid resistant coatings   | (G) Bis(triethoxysilylpropyl carbamate) perfluoropolyether  |
| P-20-0085A | 6 | 05/14/2020 | Luna<br>Innovations<br>Incorporated | (S) Fluid resistant coatings   | (G) Bis(triethoxysilylpropyl carbamate) perfluoropolyether  |
| P-20-0086A | 3 | 05/11/2020 | Daicel<br>Chemtech, Inc.            | (G) Component of polymers  | (G) 2-Oxepanone, homopolymer, ester with hydroxyalkyl trioxo heteromonocyclic (3:1)   |
| P-20-0092  | 5 | 05/22/2020 | СВІ                                 | (G) Coloration of fabric   | (G) Napthalenesulfonic acid, amino-hydroxy-bis [sulfo-<br>[(sulfooxy)ethyl]sulfonyl]phenyl]diazinyl]-,potassium sodium sal  |

| P-20-0093   | 2 | 05/04/2020 | Ashland Inc.                     | (G) Coating  | (G) Alkanoic acid, 3-hetero-atom substituted-2-(heteroatom-<br>substituted alkyl)-2-alkyl-, polymer with 1,2-alkanediamine, alph<br>hydro-omega-heteroatom-substituted poly(oxy-1,4-alkanediyl) ar<br>5-hetero-atom substituted- 1- (heteroatom-substituted alkyl)-1, 3,<br>trialkylcycloalkane |
|-------------|---|------------|----------------------------------|--|---|
| P-20-0093A  | 3 | 05/21/2020 | Ashland Inc.                     | (G) Coating  | (G) Alkanoic acid, 3-hetero-atom substituted-2-(heteroatom-<br>substituted alkyl)-2-alkyl-, polymer with 1,2-alkanediamine, alph<br>hydro-omega-heteroatom-substituted poly(oxy-1,4-alkanediyl) ar<br>5-hetero-atom substituted- 1- (heteroatom-substituted alkyl)-1, 3,<br>trialkylcycloalkane |
| P-20-0094   | 1 | 04/29/2020 | CBI                              | (S) Formulation component<br>in UV/EB coatings, inks and<br>3D printing/stereolithography<br>/additive and Formulation<br>component in UV/EB<br>adhesive manufacturing | (G) Alkanedioic acid, polymer with tri-alkyl-<br>isocyanatocarbomonocycle, dialkylglycols, ester with 2,3-<br>dihydroxypropyl alkyl ester, 2-hydroxyethyl methacrylate-blocke   |
| P-20-0095   | 1 | 05/04/2020 | Evonik<br>Corporation            | (S) Additive to improve melt<br>flow, scratch resistance,<br>demoulding and lower COF<br>of thermoplastic compounds.   | <ul> <li>(S) Siloxanes and Silicones, di-Me, [(phenylsilylidyne)tris(oxy)]t</li> <li>3-(2-hydroxyethoxy)propyl group-terminated, triesters with</li> <li>2-oxepanone homopolymer</li> </ul>   |
| P-20-0096   | 2 | 05/19/2020 | CBI                              | (G) Use in papermaking process   | (G) Unsaturated dicarboxylic acid polymer with<br>2-(dialkylamino)alkyl-alkyl-alkanoate, N, N-dialkyl-alkene amid<br>2-propenamide and salt of alkyl-substituted alkene sulfonate   |
| P-20-0097   | 1 | 05/07/2020 | Nelson<br>Brothers, LLC          | (S) The PMN substance will<br>be used as an emulsifier for<br>applications in explosives.  | (G) Butanedioic acid, monopolyisobutylene derivs., mixed dihydroxyalkyl and hydroxyalkoxyalkyl diesters   |
| P-20-0102   | 1 |            | Novihum<br>Technologies,<br>Inc. | (S) Fertilizer/Soil amendment  | (S) Chemical Abstract (CA) index name: Coal, brown, ammoxidi  |
| P-20-0104   | 2 | 05/26/2020 | CBI                              | (G) Additive   | (G) Alkenoic acid, polymer with (alkyl alkenyl) polyether   |
| SN-19-0006A | 4 | 05/13/2020 | CBI                              | (G) Component for 3D<br>Printing formulations  | (S) 2-Propen-1-one, 1-(4-morpholinyl)-  |
| SN-19-0006A | 5 | 05/15/2020 | CBI                              | (G) Component for 3D<br>Printing formulations  | (S) 2-Propen-1-one, 1-(4-morpholinyl)-  |

| J-20-0007  | 1 | 06/03/2020 | CBI                          | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable  |
|------------|---|------------|------------------------------|--|--|
| J-20-0008  | 1 | 06/03/2020 | CBI                          | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable  |
| J-20-0009  | 1 | 06/10/2020 | CBI                          | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable  |
| J-20-0010  | 1 | 06/10/2020 | СВІ                          | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable  |
| J-20-0011  | 1 | 06/10/2020 | CBI                          | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable  |
| J-20-0012  | 1 | 06/12/2020 | CBI                          | (G) Ethanol production   | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable  |
| P-16-0313A | 3 | 06/10/2020 | Honeyol, Inc.                | (S) Use in production of<br>resins (raw material used in<br>the production of resins)                            | (S) Tar acids (shale oil), C6â9 fraction, alkylphenols, low-boiling  |
| P-16-0345A | 4 | 06/15/2020 | CBI                          | (G) Processing aid   | (G) Acrylamide, polymer with methacrylic acid derivatives  |
| P-16-0449A | 3 | 06/19/2020 | CBI                          | (S) Use per FFDCA:<br>cosmetics, Use per TSCA:<br>Fragrance uses; scented<br>papers, detergents, candles<br>etc. | (S) 2,7-Decadienal, (2E,7Z)-   |
| P-17-0333A | 9 | 06/09/2020 | Miwon North<br>America, Inc. | (S) Reactive diluent for optical film coating  | (G) 2-Propenoic acid, mixed esters with heterocyclic dimethanol heterocyclic methanol  |
| P-18-0049A | 3 | 06/09/2020 | СВІ                          | (G) Coating<br>component/processing aid  | (G) Mixed metal halide   |
| P-18-0084A | 8 | 06/18/2020 | ShayoNano<br>USA, Inc.       | (S) Additive for water based paints and coatings   | (S) silicon zinc oxide   |
| P-18-0256A | 5 | 06/10/2020 | CBI                          | (G) Chemical Intermediate  | (S) Undecanol, branched  |
| P-18-0281A | 3 | 05/13/2020 | CBI                          | (G) Electrolyte additive.  | (G) Cyclic sulfate   |
| P-18-0298A | 2 | 06/23/2020 | Hexion Inc                   | (G) Epoxy curing agent   | (G) 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with<br>ethyleneamine, 2-(chloromethyl)oxirane, 2-[ [4-(1,1-<br>dimethylethyl)phenoxy]methyl]oxirane, 2,2'-[1,6-<br>hexanediylbis(oxymethylene)]bis[oxirane], 4,4'-(1-<br>methylethylidene)bis[phenol], alkyl ether amine, and 2-[(2- |

|            |   |            |                            |   | methylphenoxy methyl]oxirane  |
|------------|---|------------|----------------------------|---|---|
| P-18-0308A | 3 | 06/18/2020 | СВІ                        | (G) Additive for engineering plastics   | (G) Bis[(hydroxyalkoxy)aryl]carbopolycyclic   |
| P-18-0318A | 3 | 06/12/2020 | GELEST                     | (S) Surface treatment for<br>added lubricity and anti-static<br>properties and Research | (S) 1-Octadecanaminium, N,N-dimethyl-N-[3-(triethoxysilyl)proj<br>chloride  |
| P-18-0320A | 3 | 06/17/2020 | CBI                        | (G) Hardner   | (G) Alkane, diisocyanato-(isocyanatoalkyl)-   |
| P-18-0325A | 4 | 06/19/2020 | Allnex USA<br>Inc.         | (S) Industrial crosslinking catalyst.   | (G) Benzenesulfonic acid, alkyl derivs., compds. with diisopropanolamine  |
| P-18-0330A | 4 | 05/27/2020 | CBI                        | (G) initiator   | (G) Formaldehyde, polymer with alkyl aryl ketone  |
| P-18-0341A | 8 | 06/9/2020  | СВІ                        | (G) Component in coatings   | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco alkyl polyglycol, alkyl dialcohol, and functionalized carboxylic a  |
| P-18-0342A | 8 | 06/9/2020  | СВІ                        | (G) Component in coatings   | (G) Alkane dicarboxylic acid, polymer with alkyl polyglycol, alk dialcohol, and functionalized carboxylic acid  |
| P-18-0343A | 8 | 06/9/2020  | СВІ                        | (G) Component in coatings   | (G) Alkane dicarboxylic acid, polymer with alkoxylated polyalco and alkyl dialcohol, (hydroxy alkyl) ester  |
| P-18-0344A | 8 | 06/9/2020  | СВІ                        | (G) Component in coatings   | (G) Aromatic dicarboxylic acid, polymer with alkane dicarboxyli acid, alkoxylated polyalcohol, and alkyl dialcohol  |
| P-18-0363A | 4 | 06/19/2020 | СВІ                        | (G) Adhesive  | (G) Phenol, polymer with formaldehyde, substituted phenol, sodi salts   |
| P-18-0396A | 4 | 06/11/2020 | СВІ                        | (G) Paint   | (G) Alkenoic acid, alkyl, polymer with carbomonocyle alkyl<br>propenoate and substituted alkyl alkenoate, ester with substituted<br>alkanoate, tert-butyl substituted peroxoate-initiated |
| P-18-0398A | 3 | 06/11/2020 | CBI                        | (S) Intermediate  | (G) Polyalkylpolyalkylenepolyamine  |
| P-18-0398A | 4 | 06/17/2020 | CBI                        | (S) Intermediate  | (G) Polyalkylpolyalkylenepolyamine  |
| P-18-0407A | 3 | 06/11/2020 | СВІ                        | (S) Polyurethane catalyst   | (S) 1,2-Ethanediamine, N,N-dimethyl-N-(1-methylethyl)-<br>N-[2-[methyl(1-methylethyl)amino]ethyl]-  |
| P-19-0036A | 5 | 06/17/2020 | Ethox<br>Chemicals,<br>LLC | (S) As an additive to<br>polymers for improvement in<br>gas barrier performance.        | (S) 1,4-Benzenedicarboxylic acid, 1,4-bis(2-phenoxyethyl) ester   |
| P-19-0036A | 6 | 06/18/2020 | Ethox<br>Chemicals,<br>LLC | (S) As an additive to<br>polymers for improvement in<br>gas barrier performance.        | (S) 1,4-Benzenedicarboxylic acid, 1,4-bis(2-phenoxyethyl) ester   |

| P-19-0036A | 7  | 06/18/2020 | Ethox<br>Chemicals,<br>LLC         | (S) As an additive to<br>polymers for improvement in<br>gas barrier performance.                                  | (S) 1,4-Benzenedicarboxylic acid, 1,4-bis(2-phenoxyethyl) ester   |
|------------|----|------------|------------------------------------|---|---|
| P-19-0038A | 4  | 06/24/2020 | Allan<br>Chemical<br>Corporation   | (S) Ink carrier for the ceramic industries.   | (S) Fatty acids, coco, iso-Bu esters  |
| P-19-0048A | 7  | 05/29/2020 | СВІ                                | (G) Coating additive  | (S) Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-, m<br>C12-14-alkyl ethers, phosphates, sodium salts  |
| P-19-0064A | 11 | 06/24/2020 | The Sherwin<br>Williams<br>Company | (G) Polymeric film former for coatings  | (G) 4,4'-methylenebis[2,6-dimethyl phenol] polymer with<br>2-(chloromethyl)oxirane, 1,4-benzyl diol, 2-methyl-2-propenoic &<br>butyl 2-methyl 2-propenoate, ethyl 2-methyl 2-propenoate, and et<br>2-propenoate, reaction products with 2-(dimethylamino) ethanol |
| P-19-0131A | 3  | 05/27/2020 | СВІ                                | (G) Additive for horizontal oil drilling  | (G) Isoalkylaminium, N-isoalkyl,-N, N-dimethyl chloride   |
| P-19-0145A | 8  | 05/28/2020 | ARC Products,<br>Inc.              | (S) Oil Field Drilling Fluid<br>Additive, Petroleum<br>Production Fluid Additive<br>and Fracturing Fluid Additive | (G) Polyazaalkane with oxirane and methyloxirane, haloalkane  |
| P-19-0162A | 2  | 06/22/2020 | СВІ                                | (G) Component in Oil<br>Production  | (G) fatty acid alkyl amide, (dialkyl) amino alkyl, alkyl quaternize salts   |
| P-20-0010A | 8  | 05/27/2020 | CBI                                | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0018A | 3  | 06/26/2020 | CBI                                | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and triglycerides   |
| P-20-0019A | 3  | 06/26/2020 | CBI                                | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and triglycerides   |
| P-20-0020A | 3  | 06/26/2020 | CBI                                | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and triglycerides   |
| P-20-0021A | 3  | 06/26/2020 | CBI                                | (G) Component in candles  | (G) Fatty acid dimers, polymers with glycerol and fatty acids   |
| P-20-0023A | 3  | 06/11/2020 | СВІ                                | (G) The notified substance<br>will be used as a fragrance<br>ingredient.  | (G) heteropolycycle, 2,6-dimethyl-3a-(1-methylethyl)-   |
| P-20-0029A | 5  | 06/19/2020 | Kuraray<br>America, Inc.           | (G) Oil soluble additive  | (S) Octanal, 7(or 8)-formyl-  |
| P-20-0035A | 3  | 06/02/2020 | СВІ                                | (G) Colorant  | (G) Substituted aromatic, 3,3'-[ [6-[(substituted alkyl amino)]-1,3<br>triazine-2,4-diyl]bis[imino[2-(substituted)-5-[substituted alkoxy]-<br>phenylene]-2,1- diazenediyl]]bis[substituted, sodium salt]  |

| P-20-0038A | 2 | 06/04/2020 | Nissan<br>Chemical<br>Houston<br>Corporation | (S) PMN substance will be<br>used as resist compound for<br>semiconductor manufacture   | (S) 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris[3-(2-<br>oxiranyl)propyl]-  |
|------------|---|------------|--|---|---|
| P-20-0043A | 5 | 06/04/2020 | Saproterra                                   | (S) Soil and Plant<br>amendment. Soil Amendment<br>is any substance which is<br>intended to change the<br>chemical or physical<br>characteristics of soil. Plant<br>amendment is any substance<br>applied to plants or seeds<br>which are intended to<br>improve germination, growth,<br>yield, quality, reproduction,<br>flavor or other desirable<br>characteristics. | (S) Acetic acid, 2-[[3-(4-pyridinyl)-1H-1,2,4-triazol-5-yl]thio]-, compd. with 2-aminoethanol (1:1)   |
| P-20-0051A | 4 | 05/28/2020 | СВІ  | (S) Curing agent for<br>Industrial epoxy coating<br>systems   | (S) 1,8-Octanediamine, 4-(aminomethyl)-, N-benzyl derivs.   |
| P-20-0056A | 4 | 06/04/2020 | CBI  | (G) Pigment dispersant  | (G) Polyphosphoric acids, 2-[(alkyl-1-oxo-alkene-1-yl)oxy]alkyl esters, polymers with acrylic acid, alkyl acrylate, alkyl methacryl hydroxyalkyl methacrylate and carbomonocycle, 2,2'-(1,2-diazenediyl)bis[2,4-dialkylalkanenitrogensubstituted]-initiated |
| P-20-0057A | 2 | 06/15/2020 | Nusil<br>Technology<br>LLC                   | (G) Silane coupling agent used in silicone formulations.  | (G) Arene, trimethoxysilyl-, hydrolyzed   |
| P-20-0059A | 4 | 05/27/2020 | СВІ  | (S) Colorant for<br>thermoplastic resins  | (G) Propanedinitrile, 2-[[4-[ethyl[2-[4-( substitute methyl butyl)phenoxy]ethyl]amino]-2-methylphenyl]methylene]  |
| P-20-0068A | 2 | 06/12/2020 | CBI  | (G) Perfume   | (S) 1,3-Propanediol, 2,2-dimethyl-, 1,3-diacetate   |
| P-20-0069A | 5 | 06/27/2020 | CBI  | (G) Surface-active chemical   | (G) 2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl<br>2-methyl-2-propenoate phosphate and 2-propenoic acid salt,<br>peroxydisulfuric acid ([(HO)S(O)2]2O2) sodium salt (1:2)- and<br>sodium (disulfite) (2:1)-initiated                           |
| P-20-0071A | 6 | 06/22/2020 | CBI  | (G) Colorant  | (G) Salt of 2-Naphthalenesulfonic acid, hydroxy [(methoxy-meth<br>4-sulfophenyl)diazenyl]   |

| P-20-0072A | 2 | 06/18/2020 | CBI                               | (G) Additive used to impart<br>specific physicochemical<br>properties to finished articles  | (G) Multi-walled carbon nanotubes  |
|------------|---|------------|-----------------------------------|---|--|
| P-20-0074A | 3 | 05/29/2020 | Clariant<br>Corporation           | (S) Surfactant for use in the formulation of pesticide products.  | (S) Oxirane, 2-methyl-, polymer with oxirane, monoundecyl ethe<br>branched and linear  |
| P-20-0077A | 2 | 05/28/2020 | Aalborz<br>Chemical LLC           | (S) UV Curing Agent for use in Inks and Coatings  | (G) 1-(dialkyl-diphenylene alkane)-2-alkyl-2-hydrooxazine-<br>1-alkylketone  |
| P-20-0086A | 4 | 06/24/2020 | Daicel<br>Chemtech, Inc.          | (G) Component of polymers   | (G) 2-Oxepanone, homopolymer, ester with hydroxyalkyl trioxo heteromonocyclic (3:1)  |
| P-20-0091A | 3 | 06/08/2020 | AOC                               | (S) The material in question<br>will be use to make<br>unsaturated polyester resins<br>to service the composite<br>industry.  | (S) 2,5-Furandione, polymer with 1,2-ethanediol and 2,2'-<br>oxybis[ethanol], 2-ethylhexyl 3a,4,5,6,7,7a-hexahydro-4,7-metha<br>1H-indenyl ester |
| P-20-0092A | 6 | 06/22/2020 | СВІ                               | (G) Coloration of fabric  | (G) Napthalenesulfonic acid, amino-hydroxy-bis [sulfo-<br>[(sulfooxy)ethyl]sulfonyl]phenyl]diazinyl]-,potassium sodium sa                        |
| P-20-0092A | 7 | 06/25/2020 | СВІ                               | (G) Coloration of fabric  | (G) Napthalenesulfonic acid, amino-hydroxy-bis [sulfo-<br>[(sulfooxy)ethyl]sulfonyl]phenyl]diazinyl]-,potassium sodium sa                        |
| P-20-0097A | 2 | 06/08/2020 | Nelson<br>Brothers, LLC           | (S) The PMN substance will<br>be used as an emulsifier for<br>applications in explosives.   | (G) Butanedioic acid, monopolyisobutylene derivs., mixed dihydroxyalkyl and hydroxyalkoxyalkyl diesters  |
| P-20-0098  | 2 | 06/28/2020 | CBI                               | (S) property modifier for polymers  | (G) Calcium cycloalkylcarboxylate  |
| P-20-0099  | 5 | 06/11/2020 | Materion<br>Advanced<br>Chemicals | (S) A material used for the<br>production of Li ion<br>conductive separators for<br>rechargeable batteries. For<br>example and including,<br>electric automobile batteries. | (G) Mixed Metal Oxide  |
| P-20-0099A | 6 | 06/25/2020 | Materion<br>Advanced<br>Chemicals | (S) A material used for the<br>production of Li ion<br>conductive separators for<br>rechargeable batteries. For<br>example and including,                                   | (G) Mixed Metal Oxide  |

|            |   |            |                                 | electric automobile batteries.   |   |
|------------|---|------------|---------------------------------|--|---|
| P-20-0100  | 2 |            | Evonik<br>Corporation           | (S) Manual Dish Detergent,<br>Hard Surface Cleaner, and<br>Laundry Detergent   | (S) Glycolipids, rhamnose-contg., Pseudomanas putida-fermente<br>from D-glucose, potassium salts  |
| P-20-0101  | 4 | 05/28/2020 | CBI                             | (S) Coating Resin  | (G) Alkanoic acid, hydroxy-(hydroxyalkyl)-alkyl-, polymer with<br>alpha-[(hydroxyalkyl)alkyl]-omega-alkoxypoly(oxy-alkanediyl),<br>(haloalkyl)oxiane polymer (alkylalkylidene)bis[hydroxy-<br>carbomonocycle] alkenoate and isocyanate-alkyl-carbomonocycl<br>hydroxyalkyl acrylate-blocked |
| P-20-0103  | 3 | 06/05/2020 | Sachem Inc                      | (G) On site intermediate for<br>the production of finished<br>goods  | (G) Cycloalphatic amine formate   |
| P-20-0103A | 4 | 06/24/2020 | Sachem Inc                      | (G) On site intermediate for<br>the production of finished<br>goods  | (G) Cycloalphatic amine formate   |
| P-20-0103A | 5 | 06/24/2020 | Sachem Inc                      | (G) On site intermediate for<br>the production of finished<br>goods  | (G) Cycloalphatic amine formate   |
| P-20-0104A | 3 | 06/03/2020 | CBI                             | (G) Additive   | (G) Alkenoic acid, polymer with (alkyl alkenyl) polyether   |
| P-20-0104A | 4 | 06/12/2020 | CBI                             | (G) Additive   | (G) Alkenoic acid, polymer with (alkyl alkenyl) polyether   |
| P-20-0105  | 1 | 05/28/2020 | Sound<br>Agriculture<br>Company | (S) Maltol lactone is a<br>compound that promotes<br>microbial activity in the soil,<br>resulting in increased<br>availability of phosphorus for<br>crops. This substance will be<br>used on commercial farming<br>operations. | (S) 4H-Pyran-4-one, 3-[(2,5-dihydro-4-methyl-5-oxo-2-furanyl)o<br>2-methyl-   |
| P-20-0106  | 1 | 06/03/2020 | CBI                             | (G) Polymer reactant   | (G) Aminoalkanoic acid, N,N-bis(2-alkoxyalkyl)-, 2-alkoxyalkyl  |
| P-20-0106A | 2 | 06/22/2020 | CBI                             | (G) Polymer reactant   | (G) 3-(2-Alkoxyalkyl)-2-heterocycle   |
| P-20-0107  | 2 | 06/28/2020 | CBI                             | (G) Crosslinking polymer   | (G) Carbimide, polyalkylenepolyarylene ester, polymer with 1,2-<br>alkanediol, 2-alkoxyalkyl methacrylate- and 3-(2-alkoxyalkyl)-<br>2-heterocycle-blocked  |
| P-20-0108  | 1 | 06/08/2020 | CBI                             | (G) Film-forming polymer   | (G) Alkanoic acid, compds. with diphenylmethane derivative-N1 dialkyl-1,3-alkanediamine-epiclorohydrin-2-cyclic ester homopo  |

|            |   |            |                                     |   | with dialkylene glycol (2:1) polymer-dialkanolamine reaction pro-   |
|------------|---|------------|-------------------------------------|---|---|
| P-20-0108A | 2 | 06/12/2020 | СВІ                                 | (G) Film-forming polymer  | (G) Alkanoic acid, compds. with diphenylmethane derivative-N1 dialkyl-1,3-alkanediamine-epiclorohydrin-2-cyclic ester homopo with dialkylene glycol (2:1) polymer-dialkanolamine reaction pro-      |
| P-20-0108A | 3 | 06/26/2020 | СВІ                                 | (G) Film-forming polymer  | (G) Alkanoic acid, compds. with diphenylmethane derivative-N1<br>dialkyl-1,3-alkanediamine-epiclorohydrin-2-cyclic ester homopo<br>with dialkylene glycol (2:1) polymer-dialkanolamine reaction pro |
| P-20-0110  | 1 | 06/09/2020 | Clariant<br>Corporation             | (S) Base oil additive for lubricants and greases.   | (G) Alkanoic acid, compds. with diphenylmethane derivative-N1 dialkyl-1,3-alkanediamine-epiclorohydrin-2-cyclic ester homopo with dialkylene glycol (2:1) polymer-dialkanolamine reaction pro-      |
| P-20-0111  | 1 | 06/09/2020 | Westlake<br>Chemical<br>Corporation | (G) Component in flexible<br>automotive interior parts  | (S) 1,2,4-Benzenetricarboxylic acid, 1,2,4-trinonyl ester   |
| P-20-0112  | 1 | 06/10/2020 | Sefa Group<br>Inc.                  | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants. | (G) Ashes (residues), reactions products with dicarboxylic acid, s<br>acid (H4SiO4) tetra-Et ester and 2-[<br>[3-(trialkoxysilyl)alkoxy]methyl]oxirane  |
| P-20-0113  | 1 | 06/10/2020 | Sefa Group<br>Inc.                  | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants. | (G) Ashes (residues), reactions products with dicarboxylic acid, s<br>acid (H4SiO4) tetra-Et ester and 2-[<br>[3-(trialkoxysilyl)alkoxy]methyl]oxirane  |
| P-20-0114  | 1 | 06/10/2020 | Sefa Group<br>Inc.                  | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants. | (G) Ashes (residues), reactions products with dicarboxylic acid, acid (H4SiO4) tetra-Et ester and 2-[<br>[3-(trialkoxysilyl)alkoxy]methyl]oxirane   |
| P-20-0115  | 1 | 06/10/2020 | Sefa Group<br>Inc.                  | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants. | (G) Ashes (residues), reactions products with substituted tricarbo<br>acid, silicic acid (H4SiO4) tetra-Et ester and 2-[<br>[3-(trialkoxysilyl)alkoxy]methyl]oxirane                                |
| P-20-0116  | 1 | 06/10/2020 | Sefa Group<br>Inc.                  | (S) Additive for polymers:<br>e.g., rubber, plastics,<br>adhesives, coatings and<br>sealants. | (G) Ashes (residues), reactions products with dicarboxylic acid, s<br>acid (H4SiO4) tetra-Et ester and 2-[[3-<br>(trialkoxysilyl)alkoxy]methyl]oxirane  |
| P-20-0117  | 1 | 06/10/2020 | Sefa Group<br>Inc.                  | (S) Additive for polymers:<br>e.g., rubber, plastics,   | (G) Ashes (residues), reactions products with dicarboxylic acid, s<br>acid (H4SiO4) tetra-Et ester and 2-[  |

|            |   |            |                      | adhesives, coatings and sealants.                              | [3-(trialkoxysilyl)alkoxy]methyl]oxirane   |
|------------|---|------------|----------------------|--|--|
| P-20-0118  | 2 | 06/22/2020 | СВІ                  | (G) Additive in household consumer products                    | (S) Pyridine, 4-methyl-2-pentyl-   |
| P-20-0119  | 1 | 06/12/2020 | СВІ                  | (G) An ingredient used in the manufacture of photoresist       | (G) Carbopolycyclicoxoalkoxy(dialkyl)carbomonocyclic<br>dicarbomonocyclic sulfonium, salt with trialkyl oxoheteropolycy<br>substitutedalkyl carboxylate  |
| P-20-0120  | 1 | 06/12/2020 | СВІ                  | (G) An ingredient used in the manufacture of photoresist       | (G) Carbomonocyclic sulfonium, salt with trihalo-sulfoalkyl hydroxycarbopolycyclic carboxylate   |
| P-20-0121  | 1 | 06/17/2020 | CBI                  | (S) Chemical intermediate                                      | (G) Imidic acid, alkyl ester, sulfate,   |
| P-20-0122  | 3 | 06/23/2020 | Shin-Etsu<br>Microsi | (G) Microlithography for<br>electronic device<br>manufacturing | (G) Heterocyclic onium compound with 1-substituted-alkyl 2,2,2-<br>trisubstitutedalkyl 2-methyl-2-propenoate (1:1), polymer with<br>acenaphthylene, 4-ethenyl-a,a-dimethylbenzenemethanol and<br>4-ethenylphenyl acetate, hydrolyzed |
| P-20-0123  | 1 | 06/18/2020 | СВІ                  | (S) Binder   | (G) Nitrogen-substituted heterocycle, homopolymer, N-(nitrogen-<br>substituted alkyl) derivs., sulfates  |
| P-20-0124  | 1 | 06/19/2020 | CBI                  | (G) Additive in Household consumer products                    | (S) 5-octen-4-ol, 3,5-dimethyl-, (5E)-   |
| P-20-0125  | 1 | 06/19/2020 | СВІ                  | (G) Additive in Household consumer products                    | (S) 4-Penten-1-one, 1-(5-ethyl-5-methyl-1-cyclohexen-1-yl)-  |
| P-20-0126  | 1 | 06/24/2020 | СВІ                  | (G) Additive in Household consumer products                    | (S) 4-Decenal, 5,9-dimethyl-   |
| SN-20-0006 | 2 | 06/03/2020 | СВІ                  | (G) Color Developer  | (S) Phenol, 4,4'-[1-[4-[1-(4-hydroxyphenyl)-<br>1-methylethyl]phenyl]ethylidene]bis-   |
| P-16-0345A | 5 | 07/13/2020 | CBI                  | (G) Processing aid   | (G) Acrylamide, polymer with methacrylic acid derivatives  |
| P-16-0460A | 5 | 08/21/2018 | SEFA Group<br>Inc.   | (S) Process aid for vulcanized rubber                          | (G) Silane-treated aluminosilicate   |
| P-16-0461A | 5 | 08/21/2018 | SEFA Group<br>Inc.   | (S) Process aid for vulcanized rubber                          | (G) Silane-treated aluminosilicate   |
| P-16-0462A | 5 | 08/21/2018 | SEFA Group<br>Inc.   | (S) Process aid for vulcanized rubber                          | (G) Silane-treated aluminosilicate   |
| P-16-0463A | 5 | 08/21/2018 | SEFA Group<br>Inc.   | (S) Process aid for vulcanized rubber                          | (G) Silane-treated aluminosilicate   |

| P-16-0464A | 5  | 08/21/2018 | SEFA Group<br>Inc.                     | (S) Process aid for vulcanized rubber                          | (G) Silane-treated aluminosilicate  |
|------------|----|------------|--|--|---|
| P-16-0512A | 4  | 06/30/2020 | СВІ                                    | (S) Component of a UV curable printing inks                    | (G) Fatty acid dimers, polymer with acrylic acid and pentaerythri<br>reaction products.   |
| P-17-0115A | 4  | 07/24/2020 | CBI                                    | (S) An adhesion promoter for coating formulations              | (G) Aminoalkyl alkoxysilane   |
| P-17-0267A | 7  | 08/22/2018 | Honeywell<br>International<br>(123312) | (G) solvent for dispersive use                                 | (S) (1) (Z)-1-chloro-3,3,3-trifluoro-1-propene  |
| P-17-0267A | 9  | 09/14/2018 | Honeywell<br>International<br>(123312) | (G) solvent for dispersive use                                 | (S) (1) (Z)-1-chloro-3,3,3-trifluoro-1-propene  |
| P-17-0267A | 10 | 09/25/2018 | Honeywell<br>International<br>(123312) | (G) solvent for dispersive use                                 | (S) (1) (Z)-1-chloro-3,3,3-trifluoro-1-propene  |
| P-17-0288A | 8  | 11/05/2018 | SK Chemicals<br>America, Inc.          | (G) All-purpose packaging                                      | <ul> <li>(G) Carbomonocyclicdicarboxylic acid, polymer with cycloalkane(C=5~8) alkanol, alkanediol(C=1~5),</li> <li>4-(hydroxymethyl)cyclohexyl]methyl</li> <li>4-(hydroxymethyl)cyclohexanecarboxylate, substitutedalkanol(C=1~5) and</li> <li>4,4'-[oxybis(methylene)]bis[cyclohexanemethanol];(M)</li> </ul> |
| P-17-0329A | 5  | 06/22/2018 | СВІ                                    | (G) Intermediate used in synthesis                             | (G) Substituted haloaromatic trihaloalkyl-aromatic alkanone   |
| P-17-0329A | 7  | 07/12/2018 | СВІ                                    | (G) Intermediate used in synthesis                             | (G) Substituted haloaromatic trihaloalkyl-aromatic alkanone   |
| P-17-0398A | 9  | 11/02/2018 | Nexus Fuels                            | (G) Wax- Component of complex formulations for blending.       | (G) Branched Cyclic and Linear Hydrocarbons from Plastic Depolymerization   |
| P-17-0399A | 9  | 11/02/2018 | Nexus Fuels                            | (G) stock use  | (G) Alkane, Alkene, Styrenic Compounds Derived from Plastic Depolymerization  |
| P-18-0001A | 9  | 11/02/2018 | Nexus Fuels                            | (G) Additive   | (G) Carbon compound derived from plastic depolymerization   |
| P-18-0013A | 4  | 07/01/2020 | Shin-Etsu<br>Microsi                   | (G) Microlithography for<br>electronic device<br>manufacturing | (G) Substituted-triphenylsulfonium, inner salt  |

| P-18-0042A | 10 | 08/20/2018 | Myriant<br>Corporation           | (G) Industrial Coating  | (S) 2,5-Furandione, polymer with 2-ethyl-2-(hydroxymethyl)-1,3<br>propanediol, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5(o<br>yl ester, ester with 2,3-dihydroxypropyl neodecanoate, polymer w<br>5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane,<br>2-hydroxyethyl acrylate- and 2-hydroxyethyl methacrylate-block |
|------------|----|------------|----------------------------------|---|--|
| P-18-0042A | 11 | 09/17/2018 | Myriant<br>Corporation           | (G) Industrial Coating  | (S) 2,5-Furandione, polymer with 2-ethyl-2-(hydroxymethyl)-1,3<br>propanediol, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5(o<br>yl ester, ester with 2,3-dihydroxypropyl neodecanoate, polymer w<br>5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane,<br>2-hydroxyethyl acrylate- and 2-hydroxyethyl methacrylate-block |
| P-18-0042A | 12 | 09/24/2018 | Myriant<br>Corporation           | (G) Industrial Coating  | (S) 2,5-Furandione, polymer with 2-ethyl-2-(hydroxymethyl)-1,3<br>propanediol, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-5(o<br>yl ester, ester with 2,3-dihydroxypropyl neodecanoate, polymer w<br>5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane,<br>2-hydroxyethyl acrylate- and 2-hydroxyethyl methacrylate-block |
| P-18-0104A | 9  | 07/20/2020 | CBI                              | (S) Halogen free flame<br>retardant in thermoplastic<br>polymers    | (G) Acrylic acid, reaction products with pentaerythritol, polymeri   |
| P-18-0110A | 8  | 09/10/2018 | CBI                              | (G) Open dispersive use.<br>Component in liquid paint<br>coating.   | (G) Formaldehyde, polymer with arylylpolyamine, 2-(chlorometh oxirane and phenol   |
| P-18-0111A | 8  | 09/10/2018 | CBI                              | (G) Component in liquid paint coating                               | (G) Phenol, polymer with formaldehyde, glycidyl ether, polymers arylylpolyamine  |
| P-18-0143A | 8  |            | Huntsman<br>international<br>LLC | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications | (G) Fatty acids, tall-oil polymers with aminoalkyl, dialkyl alkane<br>diamine, polyalkylene polyamine alkanepolyamine fraction, and<br>tris-[(alkylamino) alkyl] phenol  |
| P-18-0144A | 7  | 07/10/2020 | CBI                              | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications | (G) Formaldehyde, polymer with an alkane diamine and phenol  |
| P-18-0202A | 2  | 06/14/2018 | Hexion Inc                       | (G) Tackifier, Rubber<br>additive                                   | (G) Trialkyl alkanal, polymer with phenol  |
| P-18-0202A | 6  | 11/30/2018 | Hexion Inc                       | (G) Tackifier, Rubber<br>additive                                   | (G) Trialkyl alkanal, polymer with phenol  |
| P-18-0203A | 2  | 06/14/2018 | Hexion Inc                       | (G) Tackifier, Rubber<br>additive                                   | (G) Trialkyl alkanal, polymer with alkylalkanal and phenol   |

| P-18-0203A | 6  | 11/30/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Trialkyl alkanal, polymer with alkylalkanal and phenol  |
|------------|----|------------|---|--|---|
| P-18-0204A | 2  | 06/14/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Alkyl alkanal, polymer with phenol  |
| P-18-0204A | 6  | 11/30/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Alkyl alkanal, polymer with phenol  |
| P-18-0205A | 2  | 06/14/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Alkyl alkanal, polymer with formaldehyde and phenol   |
| P-18-0205A | 6  | 11/30/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Alkyl alkanal, polymer with formaldehyde and phenol   |
| P-18-0206A | 2  | 06/14/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Alkanal, polymer with phenol  |
| P-18-0206A | 6  | 11/30/2018 | Hexion Inc                              | (G) Tackifier, Rubber<br>additive  | (G) Alkanal, polymer with phenol  |
| P-18-0221A | 2  | 07/22/2020 | Georgia-<br>Pacific<br>Chemicals<br>LLC | (S) binder for wood panels   | (G) Polyglycerol reaction product with acid anhydride, etherified   |
| P-18-0236A | 2  | 09/26/2018 | The Sherwin<br>Williams<br>Company      | (G) Paint additive   | (G) Metal, alkenoic acid-alkyl alkenoate-alkyl substituted alkenoa polymer carbopolycycle complexes;  |
| P-18-0239A | 4  | 07/06/2020 | CBI                                     | (G) Reactant in coating.   | (G) N-alkyl propanamide   |
| P-18-0240A | 4  | 07/06/2020 | CBI                                     | (G) Reactant in coating.   | (G) N-alkyl acetamide   |
| P-18-0281A | 4  | 07/09/2020 | CBI                                     | (G) Electrolyte additive.  | (G) Cyclic sulfate  |
| P-18-0282A | 10 | 01/25/2019 | Ashland Inc.                            | (G) Adhesive   | (G) fatty acid ester, polyether, diisocyanate polymer   |
| P-18-0303A | 4  | 07/22/2020 | CBI                                     | (G) UV curable oligomer  | (G) 2-Propenoic acid, polymer with aliphatic cyclic epoxide   |
| P-18-0309A | 8  | 11/01/2018 | HighLand<br>Logistics LLC               | (G) Latex applied to textiles<br>for anti-odor and anti-<br>microbial applications | (G) alkanedioic acid, 2-alkylene-, polymer with polyhaloaromatic<br>arylate, sodium salt, hydroxyalkyl alkanoate, alkanoic acid, alken<br>hydroxypoly(oxy-1,2-ethanediyl-alkenyloxymethylalkyoxy polyc<br>1,2-ethandiyl |
| P-18-0327A | 7  | 07/09/2020 | СВІ                                     | (G) Filler for non-dispersive resins.  | (G) Mixed Metal Oxide   |
| P-18-0327A | 8  | 07/09/2020 | СВІ                                     | (G) Filler for non-dispersive resins.  | (G) Mixed Metal Oxide   |

| P-18-0327A | 9 | 07/16/2020 | CBI                                     | (G) Filler for non-dispersive resins.   | (G) Mixed Metal Oxide  |
|------------|---|------------|---|---|--|
| P-18-0355A | 3 | 07/29/2020 | CBI                                     | (G) paint   | (G) Alkanediol, substituted alkyl, polymer with carbomonocyle, alkanedioate substituted carbomonocycle, ester with substituted alkanoate |
| P-18-0358A | 2 | 10/18/2018 | Shikoku<br>International<br>Corporation | (S) Used as a curing agent<br>within carbon fiber reinforced<br>plastics (CFRP) prepreg to<br>expedite the hardening<br>process during the final<br>thermosetting operation.<br>Industrial adhesives for<br>electronics to expedite the<br>hardening process during the<br>final thermosetting operation. | (S) 1H-Imidazole-1-propanenitrile,2-ethyl-ar-methyl-   |
| P-18-0379A | 3 | 07/08/2020 | CBI                                     | (G) Hardener for waterborne<br>epoxy system   | (G) Cashew nutshell liquid polymer with Epichlorohydrin, formaldehyde, phenol, amines and glycol   |
| P-18-0398A | 5 | 07/17/2020 | Evonik<br>Corporation                   | (S) Intermediate  | (G) Polyalkylpolyalkylenepolyamine   |
| P-18-0400A | 8 | 07/28/2020 | СВІ                                     | (G) open, non-dispersive use, additive for textile industry   | (G) Rosin adduct ester, polymer with polyols, potassium salt   |
| P-19-0038A | 5 | 06/30/2020 | Allan<br>Chemical<br>Corporation        | (S) Ink carrier for the ceramic industries.   | (S) Fatty acids, coco, iso-Bu esters   |
| P-19-0141A | 6 | 07/08/2020 | CBI                                     | (S) For use in metal treatment coatings for lubrication and corrosion protection.   | (S) Phosphoric Acid, manganese(2+) salt (2:3);(S) Phosphoric ac manganese(2+) salt (4:5);  |
| P-19-0188A | 2 | 07/24/2020 | Archroma<br>U.S., Inc                   | (S) Wetting agent and<br>lubricant during textile<br>processing.  | (G) Octadecanamide, N,N-dialkyl, salts   |
| P-20-0011A | 7 | 07/16/2020 | CBI                                     | (G) Light stabilizer  | (G) Tetraoxaspiro[5.5]alkyl-3,9-diylbis(alkyl-2,1-diyl) bis(2-cyar<br>3-(3,4-dimethoxyphenyl)acrylate)                                   |
| P-20-0058A | 3 | 07/23/2020 | CBI                                     | (G) Additive for automatic<br>dishwashing, hard surface<br>cleaner  | (G) Polysaccharide, polymer with unsaturated carboxylic acid an methacryloxyethyltrimethyl ammonium chloride, sodium salt, ac initiated  |

| P-20-0061A | 2 | 07/07/2020 | Allnex USA<br>Inc.                | (S) Coating resin crosslinking agent.  | (G) Formaldehyde, polymer with alkylphenols, alkyl ether   |
|------------|---|------------|-----------------------------------|--|--|
| P-20-0062A | 3 | 07/09/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, additive<br>in field emission applications,<br>batteries, energy storage, and<br>electrode applications to<br>improve physical or<br>mechanical properties, weight<br>reduction, heat generation<br>material, heat dissipation<br>material. | (S) Multi-walled carbon nanotubes; closed; 4.4 - 12.8 nm diamete<br>bundle length 10.6 - 211.1 um; Grade: Jenotube 6 (Substance-1) |
| P-20-0063A | 3 | 07/09/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive, in field emission<br>applications, in batteries,<br>energy storage, and electrode<br>applications, to improve<br>physical or mechanical<br>properties, for weight<br>reduction, a heat generation<br>material, heat dissipation<br>material.         | (S) Multi-walled carbon nanotubes; closed; 7.9 - 14.2 nm diamete<br>bundle length 9.4 - 106.4 um; Grade: Jenotube 10 (Substance-2) |
| P-20-0064A | 3 | 07/09/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive, in field emission<br>applications, in batteries,<br>energy storage, and electrode<br>applications, to improve<br>physical or mechanical<br>properties, for weight<br>reduction, a heat generation<br>material, heat dissipation<br>material.         | (S) Multi-walled carbon nanotubes; closed; 7.9 - 14.2 nm diamete<br>bundle length 9.4 - 106.4 um; Grade: Jenotube 10 (Substance-3) |
| P-20-0065A | 3 | 07/09/2020 | Inabata<br>America<br>Corporation | (S) Use as an electrically<br>conductive material, an<br>additive in field emission<br>applications, an additive in<br>batteries, energy storage, and  | (S) Multi-walled carbon nanotubes; closed; 17.0 - 34.7 nm diame<br>globular shape; Grade: Jenotube 20 (Substance-4)                |

|            |   |            |                                  | electrode applications, an<br>additive to improve physical<br>or mechanical properties, an<br>additive for weight reduction,<br>heat generation and<br>dissipation material. |  |
|------------|---|------------|----------------------------------|--|--|
| P-20-0068A | 3 | 07/02/2020 | CBI                              | (G) Perfume  | (S) 1,3-Propanediol, 2,2-dimethyl-, 1,3-diacetate  |
| P-20-0071A | 7 | 06/29/2020 | СВІ                              | (G) Colorant   | (G) Salt of 2-Naphthalenesulfonic acid, hydroxy [(methoxy-meth 4-sulfophenyl)diazenyl]   |
| P-20-0077A | 3 | 06/29/2020 | Aalborz<br>Chemical LLC          | (S) UV Curing Agent for use in Inks and Coatings   | (G) 1-(dialkyl-diphenylene alkane)-2-alkyl-2-hydrooxazine-<br>1-alkylketone  |
| P-20-0090A | 3 | 07/27/2020 | CLARIANT<br>Corporation          | (S) Surfactant for use in dishwashing detergents.  | (G) Poly(oxy-1,2-ethanediyl), .alpha(alkyl-hydroxyalkyl)omeg<br>hydroxy-, .omegaalkyl ethers   |
| P-20-0094A | 2 | 07/23/2020 | СВІ                              | (S) Formulation component<br>in UV/EB coatings, inks and<br>3D printing/stereolithography<br>/additive, adhesive<br>manufacturing  | (G) Alkanedioic acid, polymer with tri-alkyl-<br>isocyanatocarbomonocycle, dialkylglycols, ester with 2,3-<br>dihydroxypropyl alkyl ester, 2-hydroxyethyl methacrylate-blocke                |
| P-20-0096A | 3 | 07/15/2020 | Solenis LLC                      | (G) Use in papermaking process   | (G) Unsaturated dicarboxylic acid polymer with<br>2-(dialkylamino)alkyl-alkyl-alkanoate, N, N-dialkyl-alkene amid<br>2-propenamide and salt of alkyl-substituted alkene sulfonate            |
| P-20-0102A | 2 | 07/24/2020 | Novihum<br>Technologies,<br>Inc. | (S) Fertilizer/Soil amendment  | (S) Chemical Abstract (CA) index name: Coal, brown, ammoxidi   |
| P-20-0103A | 6 | 07/24/2020 | Sachem Inc.                      | (G) On site intermediate for<br>the production of finished<br>goods  | (G) Cycloalphatic amine formate  |
| P-20-0104A | 5 | 07/13/2020 | CBI                              | (G) Additive   | (G) Alkenoic acid, polymer with (alkyl alkenyl) polyether  |
| P-20-0106A | 3 | 06/29/2020 | CBI                              | (G) Polymer reactant   | (G) 3-(2-Alkoxyalkyl)-2-heterocycle  |
| P-20-0107A | 3 | 07/23/2020 | СВІ                              | (G) Crosslinking polymer   | (G) Carbimide, polyalkylenepolyarylene ester, polymer with 1,2-<br>alkanediol, 2-alkoxyalkyl methacrylate- and 3-(2-alkoxyalkyl)-<br>2-heterocycle-blocked                                   |
| P-20-0122  | 4 | 07/01/2020 | Shin-etsu<br>Microsi             | (G) Microlithography for<br>electronic device<br>manufacturing   | (G) Heterocyclic onium compound with 1-substituted-alkyl 2,2,2<br>trisubstitutedalkyl 2-methyl-2-propenoate (1:1), polymer with<br>acenaphthylene, 4-ethenyl-a,a-dimethylbenzenemethanol and |

|           |   |            |                                  |  | 4-ethenylphenyl acetate, hydrolyzed  |
|-----------|---|------------|----------------------------------|--|--|
| P-20-0127 | 3 | 07/09/2020 | Kuraray<br>America, Inc.         | (S) Industrial Solvent   | (S) 2H-Pyran, tetrahydro-4-methyl-   |
| P-20-0128 | 1 | 06/29/2020 | СВІ                              | (G) Additive in Household consumer products  | (S) 2-Oxiraneacetic acid, 3-ethyl-, 1-(3,3 dimethylcyclohexyl)eth<br>ester   |
| P-20-0129 | 3 | 07/09/2020 | CBI                              | (G) Surfactant   | (G) Alkyl dibetaine  |
| P-20-0130 | 2 | 07/09/2020 | СВІ                              | (G) component of industrial coating  | (G) Organic acid ester, polymer with aliphatic diols and 1,1'-<br>methylenebis[4-isocyanatobenzene]  |
| P-20-0131 | 1 | 07/02/2020 | Ashland Inc.                     | (S) Laminating adhesive to make flexible packaging                                   | (G) Alkanedioic acid, polymer with alkanediol, alpha-hydro-ome<br>alkoxypoly(oxy[alkyl-1,2-alkanediyl]), 1,1-<br>alkylenebis[isocyanatobenzene] and [(1-alkyl-1,2-<br>alkanediyl)bis(oxy)]bis[alkanol] |
| P-20-0132 | 1 | 07/02/2020 | Designer<br>Molecules, Inc.      | (G) Adhesive component   | (S) 1H-Pyrrole-2,5-dione, 3-methyl-, 1,1'-C36-alkylenebis-   |
| P-20-0133 | 4 | 07/14/2020 | Huntsman<br>International<br>LLC | (G) component of foam  | (G) Fatty acid oil polymer with aliphatic polyols and aromatic dia   |
| P-20-0134 | 4 | 07/14/2020 | Huntsman<br>International<br>LLC | (G) component of foam  | (G) Aromatic acid, polymer with aliphatic diol and aromatic diac   |
| P-20-0135 | 4 | 07/14/2020 | Huntsman<br>International<br>LLC | (G) component of foam  | (G) Fatty acid polymer with polyols, aliphatic alcohol and aromat diacid   |
| P-20-0136 | 1 | 07/09/2020 | Clariant<br>Corporation          | (S) Surface treatment compound for textiles.   | (G) Arylcarboxylic acid, alkyl ester, polymer with alkanediol, est with methyloxirane polymer with oxirane alkyl ether   |
| P-20-0137 | 2 | 07/17/2020 | Agrimetis                        | (S) Intermediate   | (S) Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-,<br>ammonium salt (1:1)  |
| P-20-0139 | 1 | 07/27/2020 | Shin-etsu<br>Microsi             | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing. | (G) Sulfonium, triphenyl-, 1,2-substituted-alkyltricycloalkyl-<br>1-carboxylate (1:1)  |
| P-20-0140 | 1 | 07/27/2020 | Shin-etsu<br>Microsi             | (S) Photoacid generator for<br>chemically amplified<br>photoresist                   | (G) N-Substituted-beta-alanine, heterosubstituted-alkyl ester, ion(<br>triphenylsulfonium (1:1)  |

| P-20-0141   | 1 | 07/28/2020 | Shin-etsu<br>Microsi | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing.   | (G) Sulfonium, [4-(1,1-dimethylethyl)phenyl]diphenyl-, salt with heterosubstituted-alkyl tricycloalkane-carboxylate (1:1)   |
|-------------|---|------------|----------------------|--|---|
| P-20-0142   | 1 | 07/28/2020 | Shin-etsu<br>Microsi | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Dibenzothiophenium, 5-phenyl-, salt with 2,2-diheterosubstit<br>2-sulfoethyl substituted-heterotricycloalkane-carboxylate (1:1)   |
| P-20-0143   | 1 | 07/28/2020 | CBI                  | (S) Binder for Thermoplastic<br>Coatings, Binder or<br>Ink/Adhesive  | (S) Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, polyme<br>alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl), 5-isocyana<br>1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,1-<br>methylenebis[4-isocyanatobenzene]  |
| P-20-0145   | 1 | 07/29/2020 | Shin-etsu<br>Microsi | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Substituted heterocyclic onium compound, salt with<br>heteropolysubstitutedalkyl substitutedtricycloalkane carboxylate (<br>polymer with disubstitutedaromatic compound and<br>1-methylcyclopentyl 2-methyl-2-propenoate, di-Me 2,2'-(1,2-<br>diazenediyl)bis[2-methylpropanoate]-initiated |
| P-20-0147   | 1 | 07/30/2020 | Shin-etsu<br>Microsi | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Substituted-2H-thiopyrylium, salt with heterosubstituted-alky tricycloalkane-carboxylate (1:1)  |
| SN-18-0001A | 8 | 05/30/2018 | CBI                  | <ul> <li>(S) Solution based (&lt;1% concentration) Oxidation</li> <li>Catalyst for the Composite</li> <li>Market (Fiber glass:</li> <li>Insulation, Filtration media,</li> <li>Reinforcements, Optical</li> <li>Fibers), wood stain</li> <li>(Oxidation Catalyst for</li> <li>Composite industry (e.g., for application to gelcoat-type finished goods such as boats, bowling balls, shower stalls and bathtubs, etc.).</li> <li>(G) SNUN chemical will be used as catalysts in composite</li> </ul> | (G) Alkyl-dihydroxy-methyl pyridin-carboxylate Iron chloride<br>complex   |

|             |    |            |     | matrix.   |   |
|-------------|----|------------|-----|---|---|
| SN-18-0001A | 15 | 07/24/2018 | CBI | <ul> <li>(S) Solution based (&lt;1% concentration) Oxidation</li> <li>Catalyst for the Composite</li> <li>Market (Fiber glass:</li> <li>Insulation, Filtration media,</li> <li>Reinforcements, Optical</li> <li>Fibers), wood stain</li> <li>(Oxidation Catalyst for</li> <li>Composite industry (e.g., for</li> <li>application to gelcoat-type</li> <li>finished goods such as boats,</li> <li>bowling balls, shower stalls</li> <li>and bathtubs, etc.).</li> <li>(G) SNUN chemical will be</li> <li>used as catalysts in composite</li> </ul> | (G) Alkyl-dihydroxy-methyl pyridin-carboxylate Iron chloride<br>complex   |
| SN-18-0001A | 17 | 08/02/2018 | CBI | <ul> <li>(S) Solution based (&lt;1% concentration) Oxidation</li> <li>Catalyst for the Composite</li> <li>Market (Fiber glass:</li> <li>Insulation, Filtration media,</li> <li>Reinforcements, Optical</li> <li>Fibers), wood stain</li> <li>(Oxidation Catalyst for</li> <li>Composite industry (e.g., for application to gelcoat-type finished goods such as boats, bowling balls, shower stalls and bathtubs, etc</li> <li>(G) SNUN chemical will be used as a catalyst in composite matrix.</li> </ul>  | (S) Iron(1+), chloro[rel-1,5-dimethyl (1R,2S,4R,5S)-9,9-dihydr<br>3-methyl-2,4-di(2-pyridinylkappa.N)-7-[(2-<br>pyridinylkappa.N)methyl]-3,7-diazabicyclo[3.3.1]nonane-1,5-<br>dicarboxylatekappa.N3,.kappa.N7]-, chloride (1:1), (OC-6-63) |
| SN-18-0001A | 18 | 08/23/2018 | CBI | (S) Solution based (<1%   | (S) Iron(1+), chloro[rel-1,5-dimethyl (1R,2S,4R,5S)-9,9-dihydr<br>3-methyl-2,4-di(2-pyridinylkappa.N)-7-[(2-  |

|             |    |            |     | Catalyst for the Composite<br>Market (Fiber glass:<br>Insulation, Filtration media,<br>Reinforcements, Optical<br>Fibers), wood stain<br>(Oxidation Catalyst for<br>Composite industry (e.g., for<br>application to gelcoat-type<br>finished goods such as boats,<br>bowling balls, shower stalls<br>and bathtubs, etc.).   | pyridinylkappa.N)methyl]-3,7-diazabicyclo[3.3.1]nonane-1,5-<br>dicarboxylatekappa.N3,.kappa.N7]-, chloride (1:1), (OC-6-63)-   |
|-------------|----|------------|-----|---|--|
| SN-18-0001A | 20 | 10/16/2018 | CBI | <ul> <li>(S) Proposed New Generic</li> <li>Use name: Oxidation Catalyst</li> <li>for Composites New</li> <li>Proposed Use Description:</li> <li>(Solution) Oxidation Catalyst</li> <li>for the Composite Market</li> <li>(Fiber glass: Insulation,</li> <li>Filtration media,</li> <li>Reinforcements, Optical</li> <li>Fibers), (Oxidation Catalyst</li> <li>for Composite industry (e.g.,</li> <li>for application to gelcoat-</li> <li>type finished goods such as</li> <li>boats, bowling balls, shower</li> <li>stalls and bathtubs, etc.).</li> </ul> | (S) Iron(1+), chloro[rel-1,5-dimethyl (1R,2S,4R,5S)-9,9-dihydro)<br>3-methyl-2,4-di(2-pyridinylkappa.N)-7-[(2-<br>pyridinylkappa.N)methyl]-3,7-diazabicyclo[3.3.1]nonane-1,5-<br>dicarboxylatekappa.N3,.kappa.N7]-, chloride (1:1), (OC-6-63)- |
| SN-20-0003A | 7  | 07/01/2020 |     | (S) An anionic<br>fluorosurfactant for main use<br>(>98%) in firefighting foam<br>concentrates such as AFFF<br>(Aqueous Film Forming<br>Foam) and AR-AFFF<br>(Alcohol Resistant Aqueous<br>Film Forming Foam), minor<br>use (<2%) in coatings and ink<br>applications.  | (S) 1-Propanesulfonic acid, 2-methyl-2-[[1-oxo-3-<br>[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propyl]amino]-,<br>sodium salt (1:1)  |

| SN-20-0003A | 8 | 07/07/2020 | CBI                              | (S) An anionic<br>fluorosurfactant for main use<br>(>98%) in firefighting foam<br>concentrates such as AFFF<br>(Aqueous Film Forming<br>Foam) and AR-AFFF<br>(Alcohol Resistant Aqueous<br>Film Forming Foam), for<br>very minor use (<2%) in<br>coatings and ink applications.  | (S) 1-Propanesulfonic acid, 2-methyl-2-[[1-oxo-3-<br>[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propyl]amino]-,<br>sodium salt (1:1) |
|-------------|---|------------|----------------------------------|--|---|
| SN-20-0005  | 2 | 07/14/2020 | Dover<br>Chemical<br>Corporation | (S) Lubricant in metal-<br>working fluids, Drilling mud<br>additive, Plasticizer/flame<br>retardant in textiles, Flame<br>retardant in rubber<br>compounds, Lubricants in<br>grease and engine oils, in<br>polymers  | (S) Alkanes, C21-34-branched and linear, chloro   |
| SN-20-0007  | 1 | 07/21/2020 | СВІ                              | (S) A component of UV<br>Curable Coatings and<br>Printing Inks   | (S) 2-Propenoic acid, 1,1'-(3-methyl-1,5-pentanediyl) ester   |
| P-16-0345A  | 6 | 08/09/2020 | CBI                              | (G) Processing aid   | (G) Acrylamide, polymer with methacrylic acid derivatives   |
| P-16-0420A  | 6 | 08/09/2020 | CBI                              | (S) The notified substance<br>will be used as a fragrance<br>ingredient, being blended<br>(mixed) with other fragrance<br>ingredients to make fragrance<br>oils that will be sold to<br>industrial and commercial<br>customers for their<br>incorporation into soaps,<br>detergents, cleaners and other<br>similar household and<br>consumer products. | (G) Dimethyl cyclohexenyl propanol  |
| P-16-0420A  | 3 | 07/31/2020 | СВІ                              | (S) The notified substance<br>will be used as a fragrance<br>ingredient, being blended   | (G) Dimethyl cyclohexenyl propanol  |

|            |   |            |                       | (mixed) with other fragrance<br>ingredients to make fragrance<br>oils that will be sold to<br>industrial and commercial<br>customers for their<br>incorporation into soaps,<br>detergents, cleaners and other<br>similar household and<br>consumer products. |  |
|------------|---|------------|-----------------------|--|--|
| P-17-0115A | 5 | 08/25/2020 | СВІ                   | (S) An adhesion promoter for coating formulations  | (G) Aminoalkyl alkoxysilane  |
| P-17-0281A | 7 | 08/05/2020 | CBI                   | (G) Water reducible resin  | (G) Polysiloxane-polyester polyol carboxylate  |
| P-18-0065A | 2 | 08/17/2020 | Evonik<br>Corporation | (S) Absorption agent and lab reagent   | (S) 1,3-Propanediamine, N1,N1-dimethyl-N3-(2,2,6,6-tetramethy<br>4-piperidinyl)-   |
| P-18-0202A | 7 | 08/06/2020 | Hexion Inc            | (G) Rubber additive and<br>Tackifier additives   | (G) Trialkyl alkanal, polymer with phenol  |
| P-18-0203A | 7 | 08/06/2020 | Hexion Inc            | (G) Rubber additive and<br>Tackifier additives   | (G) Trialkyl alkanal, polymer with alkylalkanal and phenol   |
| P-18-0204A | 7 | 08/06/2020 | Hexion Inc            | (G) Rubber additive and<br>Tackifier additives   | (G) Alkyl alkanal, polymer with phenol   |
| P-18-0205A | 7 | 08/06/2020 | Hexion Inc            | (G) Tackifier additive   | (G) Alkyl alkanal, polymer with formaldehyde and phenol  |
| P-18-0206A | 7 | 08/06/2020 | Hexion Inc            | (G) Tackifier additive   | (G) Alkyl alkanal, polymer with formaldehyde and phenol  |
| P-18-0241A | 5 | 07/31/2020 | СВІ                   | (G) Additive for automotive coating  | (G) 2-Propenoic acid, 2-methyl-, methyl ester, polymer with<br>ethenylbenzene, ethyl 2-propenoate, 2-oxiranylmethyl 2-methyl-<br>2-propenoate and 1,2-propanediol mono(2-methyl-2-propenoate)<br>reaction products with diethanolamine, polymers with substituted<br>alkyl acrylate, formates (salts)    |
| P-18-0244A | 5 | 07/31/2020 | СВІ                   | (G) Additive for automotive coating  | (G) 2-Propenoic acid, 2-methyl, methyl ester, polymer with<br>ethenylbenzene, ethyl 2-propenoate, 2-oxiranylmethyl 2-methyl-<br>2-propenoate and 1,2-propanediol mono(2-methyl-2-propenoate)<br>reaction products with diethanolamine, polymers with substituted<br>alkyl methacrylate, formates (salts) |
| P-18-0245A | 5 | 07/31/2020 | СВІ                   | (G) Additive for automotive coating  | (G) 2-Propenoic acid, 2-methyl-, methyl ester, polymer with<br>ethenylbenzene, ethyl 2-propenoate, 2-oxiranylmethyl 2-methyl-<br>2-propenoate, and 1,2-propanediol mono(2-methyl-2-propenoate  |

|            |   |            |                              |   | reaction products with diethanolamine, polymers with alkylene gl<br>monoacrylate, formates (salts)  |
|------------|---|------------|------------------------------|---|---|
| P-18-0256A | 6 | 08/18/2020 | CBI                          | (G) Chemical intermediate   | (S) Undecanol, branched   |
| P-18-0273A | 6 | 08/14/2020 | СВІ                          | (G) Used in polymer manufacturing.  | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester   |
| P-18-0351A | 3 | 08/19/2020 | CBI                          | (G) UV curable inks   | (G) Acrylic acid, tricyclo alkyl ester  |
| P-18-0355A | 4 | 08/03/2020 | СВІ                          | (G) Paint   | (G) Alkanediol, Substituted alkyl, polymer with carbomonocyle, alkanedioate substituted carbomonocycle, ester with substituted alkanoate  |
| P-18-0359A | 4 | 08/18/2020 | CBI                          | (G) Molded or extruded items  | (G) Methoxy Vinyl Ether- Vinylidene Fluoride polymer  |
| P-18-0396A | 5 | 08/17/2020 | СВІ                          | (G) Paint   | (G) Alkenoic acid, alkyl, polymer with carbomonocyle alkyl<br>propenoate and substituted alkyl alkenoate, ester with substituted<br>alkanoate, tert-butyl substituted peroxoate-initiated |
| P-18-0398A | 6 | 07/31/2020 | Evonik<br>Corporation        | (S) Intermediate  | (G) Polyalkylpolyalkylenepolyamine  |
| P-18-0399A | 8 | 08/14/2020 | СВІ                          | (G) (c) open, non-dispersive<br>use additive for industrial use<br>only   | (G) Rosin adduct ester, polymer with polyols, compd. with ethanolamine  |
| P-18-0407A | 4 | 08/14/2020 | СВІ                          | (S) Polyurethane catalyst   | (S) 1,2-Ethanediamine, N,N-dimethyl-N-(1-methylethyl)-<br>N-[2-[methyl(1-methylethyl)amino]ethyl]-  |
| P-19-0084A | 4 | 07/30/2020 | CBI                          | (S) Flame retardant   | (S) DIphosphoric acid, compd. with 1,3,5-triazine-2,4,6-triamine  |
| P-19-0141A | 7 | 08/24/2020 | СВІ                          | (S) For use in metal treatment coatings for lubrication and corrosion protection.   | (S) Phosphoric Acid, manganese(2+) salt (2:3)   |
| P-19-0147A | 5 | 08/17/2020 | Croda Inc.                   | (G) cleaning additive   | (G) alkoxylated butyl alkyl ester   |
| P-20-0010A | 9 | 08/26/2020 | СВІ                          | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0025A | 4 | 08/05/2020 | Biosynthetic<br>Technologies | (S) Motor oil lubricant,<br>formulation #1 (prepared at a<br>processor which is controlled<br>by others) and Motor oil<br>lubricant, formulation #2<br>(prepared at a processor<br>which is controlled by others) | (S) Octadecanoic acid, 12-(acetoxy)-, 2-ethylhexyl ester  |

| P-20-0046A | 4 | 08/19/2020 | СВІ                             | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylalumuminoxanes<br>{[(pentaalkylphenyl-<br>(pentaalkylphenyl)amino)alkyl]alkanediaminato}bis(aralkyl) tran<br>metal coordination compound |
|------------|---|------------|---------------------------------|--|---|
| P-20-0048A | 4 | 08/20/2020 | СВІ                             | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylaluminoxanes and<br>dihalogeno(alkylcyclopentadienyl)<br>(tetraalkylcyclopentadienyl)transition metal coordination compou                |
| P-20-0049A | 4 | 08/20/2020 | СВІ                             | (G) Catalyst   | (G) Reaction products of alkyl-aluminoxanes and<br>bis(alkylcyclodialkylene)dihalogenozirconium   |
| P-20-0076A | 3 | 08/06/2020 | Cytec<br>Industries Inc.        | (G) Mining chemical  | (S) Glycine, reaction products with sodium O-iso-Pr carbonodithi sodium salts   |
| P-20-0097A | 3 | 08/24/2020 | Nelson<br>Brothers, LLC         | (S) The PMN substance will<br>be used as an emulsifier for<br>applications in explosives.  | (G) Butanedioic acid, monopolyisobutylene derivs., mixed dihydroxyalkyl and hydroxyalkoxyalkyl diesters   |
| P-20-0100A | 3 | 08/19/2020 | Evonik<br>Corporation           | (S) Manual Dish Detergent,<br>Hard Surface Cleaner, and<br>Laundry Detergent   | (S) Glycolipids, rhamnose-contg., Pseudomanas putida-fermentec<br>from D-glucose, potassium salts   |
| P-20-0105A | 2 | 07/30/2020 | Sound<br>Agriculture<br>Company | (S) Maltol lactone is a<br>compound that promotes<br>microbial activity in the soil,<br>resulting in increased<br>availability of phosphorus for<br>crops. This substance will be<br>used on commercial farming<br>operations. | (S) 4H-Pyran-4-one, 3-[(2,5-dihydro-4-methyl-5-oxo-2-furanyl)o<br>2-methyl-   |
| P-20-0109  | 2 | 08/05/2020 | Huntsman<br>Corporation         | (S) Exhaust dyeing of cotton and cotton blends.  | (G) Acetamide, N-[3-[alkyl(carbomonocyclic)<br>substituted]carbomonocycle]-, coupled with diazotized 2- substitu<br>3-halo-5-nitrobenzonitrile  |
| P-20-0133A | 5 | 08/03/2020 | Huntsman<br>Corporation         | (G) component of foam  | (G) Fatty acid oil polymer with aliphatic polyols and aromatic dia  |
| P-20-0133A | 6 | 08/05/2020 | Hunteman                        | (G) component of foam  | (G) Fatty acid oil polymer with aliphatic polyols and aromatic dia  |
| P-20-0133A | 5 | 08/03/2020 | Huntsman<br>Corporation         | (G) component in foam insulation   | (G) Fatty acid polymer with polyols, aliphatic alcohol and aromat diacid  |

| P-20-0133A | 5 | 08/03/2020 | Huntsman<br>Corporation | (G) component in foam insulation   | (G) Fatty acid polymer with polyols, aliphatic alcohol and aromat diacid  |
|------------|---|------------|-------------------------|--|---|
| P-20-0143A | 2 | 08/05/2020 | CBI                     | (S) Binder for Thermoplastic<br>Coatings, and Binder or<br>Ink/Adhesive              | (S) Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, polyme<br>a-hydro-w-hydroxypoly(oxy-1,4-butanediyl), 5-isocyanato-<br>1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,1-<br>methylenebis[4-isocyanatobenzene] |
| P-20-0146  | 1 | 07/30/2020 | СВІ                     | (G) Insulating material for electrical parts   | (G) Alkanoic acid, alkyl, carbopolycyclic alkyl ester   |
| P-20-0152  | 2 | 08/03/2020 | Shin-Etsu<br>Microsi    | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing. | (G) Sulfonium, triphenyl-, salt with 2,2-dihalo-2-sulfoethyl-2-oxc<br>substituted -heterotricycloalkane-heteropolycyclo-carboxylate (1:   |
| P-20-0153  | 2 | 08/04/2020 | СВІ                     | (G) lubricant additive –<br>dispersant   | (G) Polyamines, reaction products with succinic anhydride polyalkenyl derivs., borates  |
| P-20-0154  | 2 | 08/04/2020 | СВІ                     | (G) lubricant additive –<br>dispersant   | (G) Polyamines, reaction products with succinic anhydride polyalkenyl derivs., borates  |
| P-20-0155  | 4 | 08/13/2020 | Shin-Etsu<br>Microsi    | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Sulfonium, triphenyl-, salt with 5-alkyl- 2-alkyl- 4-(2,4,6-substituted tri-carbomonocycle, hetero-acid)benzenesulfonate (1:  |
| P-20-0155A | 5 | 08/20/2020 | Shin-Etsu<br>Microsi    | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Sulfonium, triphenyl-, salt with 5-alkyl- 2-alkyl- 4-(2,4,6-substituted tri-carbomonocycle, hetero-acid)benzenesulfonate (1:  |
| P-20-0156  | 1 | 08/03/2020 | CBI                     | (G) Photolithography   | (G) Substituted, triaryl-, tricycloalkane alkyl disubstituted   |
| P-20-0157  | 1 | 08/05/2020 | СВІ                     | (G) The notified substance<br>will be used as a fragrance<br>ingredient.             | (G) bis(cycloalkyl-alkyl)ether  |
| P-20-0158  | 1 | 08/06/2020 | AkzoNobel               | (S) External coating for food<br>and beverage cans                                   | (G) Carbomonocyclic diacid, polymer with 2,2-dimethyl-1,3-<br>propanediol, alkanetriol, hexanedioic acid and 1,3-isobenzofurand<br>compd. with 2-(dimethylamino)ethanol   |
| P-20-0159  | 2 | 08/11/2020 | Shin-Etsu<br>Microsi    | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Phenoxathiinium, 10-phenyl, 5-alkyl-2-alkyl-4-(2,4,6-substitu<br>tri-carbomonocycle, hetero-acid)benzenesulfonate (1:1)   |

| P-20-0159A | 3 | 08/20/2020 | Shin-Etsu<br>Microsi                            | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing   | (G) Phenoxathiinium, 10-phenyl, 5-alkyl-2-alkyl-4-(2,4,6-substitutri-carbomonocycle, hetero-acid)benzenesulfonate (1:1)   |
|------------|---|------------|---|---|---|
| P-20-0160  | 2 | 08/11/2020 | Designer<br>Molecules, Inc.                     | (G) Dielectric film forming<br>material for use in<br>microelectronic assembly<br>applications  | (S) Amines, C-36-alkylenedi-, polymers with<br>bicyclo[2.2.1]heptanedimethanamine, [5,5'-biisobenzofuran]-1,1',<br>tetrone and 3a,4,4a,7a,,8,8a-hexahydro-4,8-etheno-1H,3H-benzo[<br>c:4,5-c']difuran-1,3,5,7-tetrone, maleated |
| P-20-0161  | 1 | 08/18/2020 | Sirrus, Inc.                                    | (S) Film former or<br>crosslinker additive used in<br>coatings and adhesives, and<br>Crosslinker additive used in<br>waterborne emulsions | (S) Propanedioic acid, 2-methylene-, 1,3-diethyl ester, polymer w 1,4-butanediol  |
| P-20-0163  | 1 | 08/21/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (G) Contained chemical processing   | (S) Butanedioic acid, 2-methylene-, 4-octadecyl ester   |
| P-20-0164  | 1 | 08/21/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (G) Contained chemical processing   | (S) Butanedioic acid, 2-methylene-, 4-docosyl ester   |
| P-20-0165  | 1 | 08/21/2020 | Innovative<br>Chemical<br>Technologies,<br>Inc. | (G) Contained chemical processing   | (S) Butanedioic acid, 2-methylene-, 4-C16-18-alkyl esters   |
| P-16-0345A | 7 | 08/31/2020 | CBI   | (G) Processing aid  | (G) Acrylamide, polymer with methacrylic acid derivatives   |
| P-16-0370A | 5 | 09/14/2020 | СВІ   | (G) Crosslinker for adhesives and coatings.   | (G) Methoxy-terminated polysiloxanes  |
| P-16-0404A | 4 | 09/22/2020 | СВІ   | (G) A colorant for dyeing<br>various synthetic fibers and<br>fabrics. Open, non-dispersive<br>use.  | (G) Alkyl ester, 2-({4-[2-(trisubstituted phenyl)azo]-5-acetamido-<br>2-substitutedphenyl} (substituted alkoxy)amino)   |
| P-16-0589A | 5 | 09/25/2020 | Chemtura<br>Corporation                         | (G) Synthetic aircraft engine<br>lubricant for contained use<br>Industrial lubricant  | (G) Pentaerythritol Ester of Mixed Linear and Branched Carboxy<br>Acids   |

| P-17-0193A | 3 | 09/25/2020 | Chemtura<br>Corporation          | (G) Synthetic lubricant for<br>contained use Industrial<br>lubricant        | (G) Dipentaerythritol Ester of Mixed Linear and Branched Carbo<br>Acids;(G) Pentaerythritol Ester of Mixed Linear and Branched<br>Carboxylic Acids;               |
|------------|---|------------|----------------------------------|---|---|
| P-18-0128A | 4 | 09/02/2020 | CBI                              | (G) Surface modifier  | (S) Inulin, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride  |
| P-18-0143A | 9 | 08/29/2020 | Huntsman<br>International<br>LLC | (G) Anti-corrosive primer for<br>outdoor industrial<br>applications         | (G) Fatty acids, tall-oil polymers with aminoalkyl, dialkyl alkane diamine, polyalkylene polyamine alkanepolyamine fraction, and tris-[(alkylamino) alkyl] phenol |
| P-18-0289A | 6 | 09/09/2020 | СВІ                              | (G) Gas scrubbing, landfill<br>deodorizing, wastewater<br>deodorizing       | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol   |
| P-18-0289A | 7 | 09/23/2020 | СВІ                              | (G) Gas scrubbing, landfill<br>deodorizing, wastewater<br>deodorizing       | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol   |
| P-18-0290A | 6 | 09/09/2020 | СВІ                              | (G) wastewater deodorizing,<br>Gas scrubbing, Landfill odor<br>neutralizing | (G) Carbomonocylic-oxazolidine  |
| P-18-0290A | 7 | 09/23/2020 | СВІ                              | (G) Gas scrubbing, Landfill<br>odor neutralizing, wastewater<br>deodorizing | (G) Carbomonocylic-oxazolidine  |
| P-18-0330A | 5 | 09/21/2020 | CBI                              | (G) initiator   | (G) Formaldehyde, polymer with alkyl aryl ketone  |
| P-18-0334A | 3 | 09/22/2020 | Sirrus, Inc.                     | (S) Intermediate use  | (S) Propanedioic acid, 1,3-dihexyl ester  |
| P-18-0335A | 3 | 09/22/2020 | Sirrus, Inc.                     | (S) Intermediate use  | (S) Propanedioic acid, 1,3-dicyclohexyl ester   |
| P-18-0336A | 5 | 09/22/2020 | Sirrus, Inc.                     | (S) Intermediate use  | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dihexyl ester   |
| P-18-0337A | 5 | 09/22/2020 | Sirrus, Inc.                     | (S) Intermediate use  | (S) Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dicyclohexy   |
| P-18-0387A | 5 | 09/01/2020 | СВІ                              | (G) Plastic Additive  | (G) Alkanal, reaction products with alkanediyl bis[alkyl-tris(alky heterocycle)-1,3,5-triazine-2,4,6-triamine and hydrogen peroxide                               |
| P-18-0388A | 5 | 09/01/2020 | СВІ                              | (G) Plastic Additive  | (G) 1,3,5-triazine-2,4,6-triamine, alkanediyl bis[alkyl-tris(alkyl-<br>heterocycle)-, allyl derivs., oxidized, hydrogenated                                       |
| P-18-0407A | 5 | 09/08/2020 | CBI                              | (S) Polyurethane catalyst   | (S) 1,2-Ethanediamine, N,N-dimethyl-N-(1-methylethyl)-<br>N-[2-[methyl(1-methylethyl)amino]ethyl]-  |
| P-18-0407A | 6 | 09/15/2020 | СВІ                              | (S) Polyurethane catalyst   | (S) 1,2-Ethanediamine, N,N-dimethyl-N-(1-methylethyl)-<br>N-[2-[methyl(1-methylethyl)amino]ethyl]-  |
| P-18-0407A | 7 | 09/21/2020 | CBI                              | (S) Polyurethane catalyst   | (S) 1,2-Ethanediamine, N,N-dimethyl-N-(1-methylethyl)-<br>N-[2-[methyl(1-methylethyl)amino]ethyl]-  |

| P-19-0048A | 8 | 09/23/2020 | CBI                               | (G) Coating additive  | (S) Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-, m C12-14-alkyl ethers, phosphates, sodium salts  |
|------------|---|------------|-----------------------------------|---|--|
| P-19-0162A | 3 | 09/18/2020 | СВІ                               | (G) Component in Oil<br>Production  | (G) fatty acid alkyl amide, (dialkyl) amino alkyl, alkyl quaternize salts  |
| P-19-0162A | 4 | 09/29/2020 | СВІ                               | (G) Component in Oil<br>Production  | (G) fatty acid alkyl amide, (dialkyl) amino alkyl, alkyl quaternize salts  |
| P-20-0030A | 3 | 09/10/2020 | СВІ                               | (S) Plasticizer for Plastisols,<br>in caulks and sealants   | (G) Hexanedioic acid, carbomonocyclic esters   |
| P-20-0066A | 3 | 09/14/2020 | СВІ                               | (G) Antiwear additive for lubricants  | (G) 2-Propenoic acid, 2-hydroxyethyl ester, reaction products wit<br>dialkyl hydrogen heterosubstituted phosphate and dimethyl<br>phosphonate  |
| P-20-0073A | 5 | 09/25/2020 | СВІ                               | (G) Oil and gas production chemistry  | (G) 2,5-Furandione, reaction products with alkylamine, 1-octanol polyethylene glycol alkoxy-ether, acetates (salts)  |
| P-20-0099A | 7 | 09/15/2020 | Materion<br>Advanced<br>Chemicals | (S) A material used for the<br>production of Li ion<br>conductive separators for<br>rechargeable batteries. | (G) Mixed Metal Oxide  |
| P-20-0100A | 5 | 09/02/2020 | Evonik<br>Corporation             | (S) Manual dish detergent,<br>hard Surface cleaner, laundry<br>detergent                                    | (S) Refer to attachment "Chemical Identity"  |
| P-20-0100A | 6 | 09/11/2020 | Evonik<br>Corporation             | (S) Manual dish detergent,<br>hard Surface cleaner, laundry<br>detergent                                    | (G) Rhamnolipids, modified pseudomonas-fermented, from dextr   |
| P-20-0108A | 4 | 09/11/2020 | СВІ                               | (G) Film-forming polymer  | (G) Alkanoic acid, compds. with diphenylmethane derivative-N1<br>dialkyl-1,3-alkanediamine-epiclorohydrin-2-cyclic ester homopol<br>with dialkylene glycol (2:1) polymer-dialkanolamine reaction pro |
| P-20-0111A | 2 | 09/25/2020 | СВІ                               | (G) Component in flexible<br>automotive interior parts  | (S) 1,2,4-Benzenetricarboxylic acid, 1,2,4-trinonyl ester  |
| P-20-0144  | 2 | 09/16/2020 | СВІ                               | (G) Asphalt emulsion<br>applications  | (S) Fatty acids, soya, reaction products with polyethylenepolyami  |
| P-20-0162  | 2 | 08/31/2020 | СВІ                               | (G) Photolithography  | (G) Sulfonium, triaryl-, 3,3,3-trihalo-2-sulfoalkyl polycycloalkan<br>1-carboxylate (1:1)  |
| P-20-0166  | 1 | 08/21/2020 | Sun Chemical                      | (G) Component of ink  | (G) Formaldehyde, polymer with 2-methylcarbomonocycle, glyci<br>ether, acrylate hydrogen 1,2-carbomonocyledicarboxylate,   |

| P-20-0167  | 2 | 08/31/2020 | W. R. Grace&<br>Co Conn.         | (G) Catalyst   | (G) Phenylene, alkyl and polycarbomonocycle substituted, 1,2-<br>dicarboxylate                                       |
|------------|---|------------|----------------------------------|--|--|
| P-20-0168  | 2 | 09/14/2020 | СВІ                              | (S) Lubricating additives for<br>engine oils, transmission and<br>hydraulic fluid and gear oil<br>applications | (G) Polyolefin polyamine succinimide, carbopolycycle alkoxylat   |
| P-20-0168A | 3 | 09/22/2020 | СВІ                              | (S) Lubricating additives for<br>engine oils, transmission and<br>hydraulic fluid and gear oil<br>applications | (G) Polyolefin polyamine succinimide, carbopolycycle alkoxylat   |
| P-20-0170  | 3 | 09/09/2020 | Tetramer<br>Technologies,<br>LLC | (G) Component in Lubricants  | (G) Glycerin, alkoxylated alkyl acid esters  |
| P-20-0171  | 3 | 09/09/2020 | Tetramer<br>Technologies,<br>LLC | (G) Component in Lubricants  | (G) Glycerin, alkoxylated alkyl acid esters  |
| P-20-0172  | 3 | 09/09/2020 | Tetramer<br>Technologies,<br>LLC | (G) Component in Lubricants  | (G) Glycerin, alkoxylated alkyl acid esters  |
| P-20-0173  | 1 | 09/01/2020 | ICM Products<br>Inc.             | (G) Use as a Coating<br>Additive   | (G) Silsesquioxanes, alkyl, alkoxy- and hydroxy- terminated  |
| P-20-0174  | 3 | 09/17/2020 | P2 Science, Inc                  | (S) For use in consumer<br>products, as well as direct<br>addition to consumer<br>products.                    | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer, monoacetate  |
| P-20-0175  | 2 | 09/21/2020 | Materia Inc.                     | (G) Resin formulation additive.  | (G) acid N-[4-(4-diarylalkyl]-, carbopolycyclic alkenyl, methyl e  |
| P-20-0176  | 2 | 09/21/2020 | Materia Inc.                     | (G) Resin formulation additive.  | (G) acid N-(diarylalkyl)-, carbopolycyclic alkenyl, methyl ester   |
| P-20-0177  | 2 | 09/21/2020 | Materia Inc.                     | (G) Resin formulation additive.  | (G) carbopolycyclic alkenyl, 2-carboxylic acid, 2-[[[4-(4-diarylalkyl)]carbonyl]oxy]ethyl ester                      |
| P-20-0178  | 2 | 09/21/2020 | Materia Inc.                     | (G) Resin formulation additive.  | (G) carbopolycyclic alkenyl, 2-carboxylic acid,<br>2-[[[(diarylalkyl)]carbonyl]oxy]ethyl ester                       |
| P-20-0179  | 1 | 09/08/2020 | CBI                              | (S) Reactive polymer for use in surface pre-treatment.   | (G) 1,3-Benzenedicarboxylic acid, polymer with 1,4-<br>benzenedicarboxylic acid, branched alkyl diol, and alkyldiol, |

|            |   |            |                                     |  | bis[[[[bis(isocyanatophenoxy)phosphinothioyl]oxy]phenyl]carbai   |
|------------|---|------------|-------------------------------------|--|--|
| P-20-0179A | 2 | 09/14/2020 | СВІ                                 | (S) Reactive polymer for use in surface pre-treatment.   | (G) 1,3-Benzenedicarboxylic acid, polymer with 1,4-<br>benzenedicarboxylic acid, branched alkyl diol, and alkyldiol,<br>bis[[[[bis(isocyanatophenoxy)phosphinothioyl]oxy]phenyl]carba  |
| P-20-0180  | 1 | 09/08/2020 | Evonik<br>Degussa<br>Corporation    | (S) Curing agent for<br>Industrial epoxy Composite   | (S) Cyclohexanemethanamine,5-amino-1,3,3-trimethy-, N-sec-Bu<br>dervis.  |
| P-20-0181  | 1 | 09/11/2020 | Guardian<br>Industries<br>Corp      | (S) Additive to influence<br>melting temperature of raw<br>material and physical<br>characteristics of the final<br>product during the<br>manufacture of flat glass,<br>Animal bedding additive used<br>as a dessicant | (S) flue dust, glass-manugf. desulfurization, calcium hydroxide-tr   |
| P-20-0182  | 1 | 09/15/2020 | Eastman<br>Chemical<br>Company, Inc | (G) Plasticizer for PVC formulations   | (S) 1,4-Benzenedicarboxylic acid, bis[2-(2-butoxyethoxy)ethyl] e<br>(9CI)  |
| P-20-0183  | 1 | 09/16/2020 | CBI                                 | (G) Intermediate   | (G) Aryl ether epoxide, homopolymer, ether with alkanolamine   |
| P-20-0184  | 1 | 09/24/2020 | P2 Science, Inc                     | (S) For use in fragrances for<br>consumer products, as well as<br>direct addition to consumer<br>products.   | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer   |
| P-17-0301A | 5 | 10/06/2020 | CBI                                 | (G) Used as a surface drier in<br>clear and pigmented coatings<br>systems to replace other<br>primary driers, particularly<br>cobalt.  | (G) Manganese heterocyclic-amine carboxylate complexes   |
| P-18-0175A | 9 | 10/01/2020 | Hexion Inc                          | (S) Food can coating, Non-<br>food contact can coating   | (S) Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol and phenol, Bu ether  |
| P-18-0301A | 2 | 10/01/2020 | CBI                                 | (G) Coating component  | (G) Alkanedioic acid, polymer with cycloalkyl dimethanol, alkyl cycloalkyl diisocyanates, dimethyl-alkanediol, dihydroxyalkanoic methylenebis[isocyanatocyclohexane, hydroxyethyl acrylate- and polyalkyl glycol monoalkyl ether blocked |

| P-18-0349A | 5  | 10/05/2020 | Lanxess<br>Solutions US<br>Inc       | (S) Two component<br>adhesives and protective<br>coatings for marine,<br>infrastructure, etc. The<br>urethane prepolymer is<br>designed to react with epoxy<br>materials to create a flexible<br>coating or adhesive. | (S) Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-<br>propanetriol (3:1), polymer with 2,4-diisocyanato-1-methylbenze<br>branched 4-nonylphenol-blocked                    |
|------------|----|------------|--------------------------------------|---|---|
| P-18-0383A | 4  | 10/01/2020 | СВІ                                  | (G) Coatings and inks for commercial use  | (G) Dialkyl-alkanediamine, polymer with [(oxo-alkenyl)oxy]poly<br>alkanediyl)ether with bis(hydroxyalkyl)-alkanediol  |
| P-19-0011A | 7  |            | Shin etsu<br>Silicones of<br>America | (G) Additive to the EPDM rubber compounds   | (G) Polysulfides, bis[3-(trialkoxysilyl)propyl]   |
| P-19-0082A | 4  | 10/06/2020 | Bedoukian<br>Research Inc.           | (S) Fragrance uses per<br>FFDCA: fine fragrance,<br>creams, lotions, etc,<br>Fragrance uses per TSCA:<br>scented papers, candles,<br>detergents, cleaners, etc.   | (S) Heptanal, 6-hydroxy-2,6-dimethyl-   |
| P-19-0167A | 5  | 10/09/2020 | Santolubes<br>Manufacturing<br>LLC   | (S) synthetic engine, gear and lubricating oils and greases   | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-,<br>hexanoate  |
| P-20-0001A | 5  |            | Santolubes<br>Manufacturing<br>LLC   | (S) synthetic engine, gear and lubricating oils and greases   | (S) Poly(oxy-1,4-butanediyl), alpha-hydro-w-hydroxy-, nonanoat  |
| P-20-0010A | 10 | 10/14/2020 | СВІ                                  | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0014A | 2  | 10/06/2020 | McTron<br>Technologies               | (G) Water resistant resin<br>additive, Heat resistant binder<br>additive  | (G) Sugars, polymer with alkanetriamine   |
| P-20-0046A | 5  | 10/07/2020 | CBI                                  | (G) Catalyst  | (G) Reaction products of alkyl-terminated alkylalumuminoxanes<br>{[(pentaalkylphenyl-<br>(pentaalkylphenyl)amino)alkyl]alkanediaminato}bis(aralkyl) tran<br>metal coordination compound |
| P-20-0046A | 6  | 10/27/2020 | CBI                                  | (G) Catalyst  | (G) Reaction products of alkyl-terminated alkylalumuminoxanes {[(pentaalkylphenyl-  |

|            |   |            |                                     |  | (pentaalkylphenyl)amino)alkyl]alkanediaminato}bis(aralkyl) tran metal coordination compound  |
|------------|---|------------|-------------------------------------|--|--|
| P-20-0048A | 5 | 10/07/2020 | СВІ                                 | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylaluminoxanes and<br>dihalogeno(alkylcyclopentadienyl)<br>(tetraalkylcyclopentadienyl)transition metal coordination compou |
| P-20-0048A | 6 | 10/27/2020 | СВІ                                 | (G) Catalyst   | (G) Reaction products of alkyl-terminated alkylaluminoxanes and<br>dihalogeno(alkylcyclopentadienyl)<br>(tetraalkylcyclopentadienyl)transition metal coordination compou |
| P-20-0049A | 5 | 10/07/2020 | СВІ                                 | (G) Catalyst   | (G) Reaction products of alkyl-aluminoxanes and bis(alkylcyclodialkylene)dihalogenozirconium   |
| P-20-0049A | 6 | 10/27/2020 | СВІ                                 | (G) Catalyst   | (G) Reaction products of alkyl-aluminoxanes and bis(alkylcyclodialkylene)dihalogenozirconium   |
| P-20-0061A | 4 | 10/13/2020 | Allnex USA<br>Inc.                  | (S) Coating resin crosslinking agent.  | (G) Formaldehyde, polymer with alkylphenols, alkyl ether   |
| P-20-0085A | 7 | 09/30/2020 | Luna<br>Innovations<br>Incorporated | (S) Fluid resistant coatings   | (G) Bis(triethoxysilylpropyl carbamate) perfluoropolyether   |
| P-20-0098A | 4 | 10/21/2020 | СВІ                                 | (S) property modifier for polymers   | (G) Calcium cycloalkylcarboxylate  |
| P-20-0102A | 3 | 10/01/2020 | Novihum<br>Technologies,<br>Inc.    | (S) Fertilizer/Soil amendment  | (S) Chemical Abstract (CA) index name: Coal, brown, ammoxidi   |
| P-20-0102A | 4 | 10/08/2020 | Novihum<br>Technologies,<br>Inc.    | (S) Fertilizer/Soil amendment  | (S) Chemical Abstract (CA) index name: Coal, brown, ammoxidi   |
| P-20-0118A | 3 | 10/26/2020 | СВІ                                 | (G) Additive in household consumer products  | (S) Pyridine, 4-methyl-2-pentyl-   |
| P-20-0138  | 3 | 10/14/2020 | Gurit (USA)<br>Inc                  | (S) The substance is part of a<br>mixture with other amines to<br>act as a curative for a 2-part<br>epoxy adhesive formulation.<br>The new substance will be<br>used within an adhesive<br>formulation for use within an<br>industrial setting primarily | (G) Alkane diglycidy ether, polymer with alkyl-cycloalkane diam  |

|            |   |            |                        | but not limited to industries<br>such as marine, automotive<br>and wind energy. The<br>adhesive is "cured" at either<br>ambient conditions or using<br>heat and a chemical reaction<br>occurs forming a solid<br>composite structure. |  |
|------------|---|------------|------------------------|---|--|
| P-20-0143A | 3 | 10/22/2020 | CBI                    | (S) Binder for Thermoplastic<br>Coatings, Binder or<br>Ink/Adhesive   | (S) Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, polyme<br>a-hydro-w-hydroxypoly(oxy-1,4-butanediyl), 5-isocyanato-<br>1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,1-<br>methylenebis[4-isocyanatobenzene]          |
| P-20-0167A | 3 | 10/22/2020 | W. R. Grace & CO Conn. | (G) Catalyst  | (G) Phenylene, alkyl and polycarbomonocycle substituted, 1,2-<br>dicarboxylate   |
| P-20-0174A | 4 | 10/16/2020 | P2 Science, Inc        | (S) For use in consumer<br>products, as well as direct<br>addition to consumer<br>products. Specific functions<br>would be as solubilizer,<br>rheology modifier and<br>fragrance oil.   | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer, monoacetate  |
| P-20-0184A | 2 | 10/16/2020 | P2 Science, Inc        | (S) For use in fragrances for<br>consumer products, as well as<br>direct addition to consumer<br>products. Specific functions<br>would be as solubilizer,<br>rheology modifier and<br>fragrance oil.                                  | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer   |
| P-20-0185  | 3 | 10/08/2020 | ,                      | (G) Dielectric film forming<br>material for use in<br>microelectronic assembly<br>applications  | (S) Amines, C36-alkylenedi-, polymers with<br>bicyclo[2.2.1]heptanedimethanamine, [5,5'-biisobenzofuran]-1,1',<br>tetrone and 3a,4,5,7a-tetrahydro-7-methyl-5-(tetrahydro-2,5-diox)<br>3-furanyl)-1,3-isobenzofurandione, maleated |
| P-21-0001  | 1 | 10/01/2020 | CBI                    | (G) Flame retardant   | (S) Phosphinic acid, aluminum salt (3:1)   |
| P-21-0002  | 2 | 10/08/2020 | CBI                    | (G) Polymer in coatings and ink   | (G) Octadecanoic acid, 12-hydroxy-, polymer with aziridine,<br>2-oxepanone and tetrahydro-2H-pyran-2-one, reaction products w<br>disubstituted heteropolycycle,  |

| P-21-0006   | 6  | 10/21/2020 | CBI                           | (G) The PMN Substance is<br>used in froth flotation to treat<br>rare earth minerals and to<br>remove deleterious<br>substances.                       | (G) Naphthalene derivative  |
|-------------|----|------------|-------------------------------|---|---|
| SN-19-0002A | 6  | 10/14/2020 | СВІ                           | (G) Friction and wear<br>stabilizer in certain solid<br>composite articles.   | (G) Potassium Titanate  |
| J-20-0005   | 2  | 10/16/2020 | CBI                           | (G) Ethanol production  | (G) Saccharomyces cerevisiae modified                                 |
| J-20-0013   | 3  | 10/27/2020 | Greenlight<br>Biociences, Inc | (G) Production of enzymes<br>for use in internal<br>manufacturing   | (G) Modified strains of Escherichia coli                              |
| J-20-0014   | 3  | 10/27/2020 | Greenlight<br>Biociences, Inc | (G) Production of enzymes<br>for use in internal<br>manufacturing   | (G) Modified strains of Escherichia coli                              |
| J-20-0015   | 3  | 10/27/2020 | Greenlight<br>Biociences, Inc | (G) Production of enzymes<br>for use in internal<br>manufacturing   | (G) Modified strains of Escherichia coli                              |
| J-20-0016   | 3  | 10/27/2020 | Greenlight<br>Biociences, Inc | (G) Production of enzymes<br>for use in internal<br>manufacturing   | (G) Modified strains of Escherichia coli                              |
| J-20-0017   | 3  | 10/27/2020 | Greenlight<br>Biociences, Inc | (G) Production of enzymes<br>for use in internal<br>manufacturing   | (G) Modified strains of Escherichia coli                              |
| J-20-0018   | 3  | 10/27/2020 | Greenlight<br>Biociences, Inc | (G) Production of enzymes<br>for use in internal<br>manufacturing   | (G) Modified strains of Escherichia coli                              |
| J-20-0025   | 3  | 11/03/2020 | СВІ                           | (G) Ethanol production  | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable |
| P-18-0057A  | 12 | 11/12/2020 | СВІ                           | (S) a drier accelerator that is<br>used for superior drying<br>performance in solvent-borne<br>and waterborne air-dried<br>paints, inks and coatings. | (G) Vanadium Carboxylate  |

|            |    |            |                                   | (S) a drier accelerator that is  |   |
|------------|----|------------|-----------------------------------|--|---|
| P-18-0057A | 13 | 11/18/2020 | CBI                               | used for superior drying<br>performance in solvent-borne   | (G) Vanadium Carboxylate  |
|            |    |            |                                   | and waterborne air-dried paints, inks and coatings.  |   |
| P-18-0057A | 14 | 11/23/2020 | CBI                               | (S) a drier accelerator that is<br>used for superior drying<br>performance in solvent-borne<br>and waterborne air-dried<br>paints, inks and coatings.                                    | (G) Vanadium Carboxylate  |
| P-18-0084A | 9  | 11/23/2020 | ShayoNano<br>USA, Inc.            | (S) Additive for water-based paints and coatings   | (S) silicon zinc oxide  |
| P-18-0256A | 7  | 11/11/2020 | CBI                               | (G) Chemical Intermediate  | (S) Undecanol, branched   |
| P-18-0293A | 6  | 11/17/2020 | CBI                               | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, industrial adhesives  | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester  |
| P-18-0293A | 7  | 11/20/2020 | CBI                               | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, industrial adhesives  | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester  |
| P-18-0294A | 6  | 11/17/2020 | CBI                               | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, industrial adhesives  | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester  |
| P-18-0294A | 7  | 11/20/2020 | CBI                               | (S) Monomer for use in<br>emulsion polymers,<br>formulated industrial<br>coatings, industrial adhesives  | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester  |
| P-18-0345A | 3  | 11/24/2020 | Chitec<br>Technology<br>Co., Ltd. | (S) R-gen 990 is a liquid<br>aminoketone-based<br>photoinitator (PI) intended<br>for use as an ultraviolet (UV)<br>curing agent in highly<br>pigmented inks, photoresists,<br>and masks. | (S) 1-Butanone, 2-(dimethylamino)-1-[4-(2-ethyl-2-methyl-<br>3-oxazolidinyl)phenyl]-2-(phenylmethyl)- |

| P-19-0082A | 5  | 11/12/2020 | Bedoukian<br>Research Inc.         | (S) Fragrance uses per<br>FFDCA: fine fragrance,<br>creams, lotions, etc., TSCA:<br>scented papers, candles,<br>detergents, cleaners, etc. | (S) Heptanal, 6-hydroxy-2,6-dimethyl-   |
|------------|----|------------|------------------------------------|--|---|
| P-20-0010A | 11 | 11/04/2020 | CBI                                | (G) Polymerization auxiliary   | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal  |
| P-20-0031A | 5  | 11/02/2020 | CBI                                | (G) Intermediate   | (G) Perfluorinated substituted 1,3-oxathiolane dioxide  |
| P-20-0070A | 2  | 11/07/2020 | Clariant<br>Corporation            | (S) Solvent for use in<br>formulated pesticide<br>products.  | (S) Nonanamide, N,N-dimethyl-   |
| P-20-0076A | 4  | 11/04/2020 | Cytec<br>Industries Inc.           | (G) Mining chemical  | (S) Glycine, reaction products with sodium O-iso-Pr carbonodithi sodium salts   |
| P-20-0077A | 6  | 11/23/2020 | CBI                                | (S) UV Curing Agent for use<br>in Inks and Coatings  | (G) 1-(dialkyl-diphenylene alkane)-2-alkyl-2-hydrooxazine-<br>1-alkylketone;  |
| P-20-0078A | 2  | 11/11/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)  |
| P-20-0079A | 2  | 11/11/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2   |
| P-20-0080A | 5  | 11/11/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)  |
| P-20-0081A | 5  | 11/11/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)  |
| P-20-0082A | 5  | 11/11/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)  |
| P-20-0094A | 3  | 11/12/2020 | СВІ                                | (S) Formulation component<br>in UV/EB coatings, inks and<br>3D printing/stereolithography<br>/additive and adhesive<br>manufacturing       | (G) Alkanedioic acid, polymer with tri-alkyl-<br>isocyanatocarbomonocycle, dialkylglycols, ester with 2,3-<br>dihydroxypropyl alkyl ester, 2-hydroxyethyl methacrylate-blocke |

| P-20-0105A | 3 | 11/25/2020 | Sound<br>Agriculture<br>Company | (S) Maltol lactone is a<br>compound that promotes<br>microbial activity in the soil,<br>resulting in increased<br>availability of phosphorus for<br>crops. This substance will be<br>used on commercial farming<br>operations.  | (S) 4H-Pyran-4-one, 3-[(2,5-dihydro-4-methyl-5-oxo-2-furanyl)o<br>2-methyl- |
|------------|---|------------|---------------------------------|---|---|
| P-20-0127A | 4 | 11/12/2020 | Kuraray<br>America, Inc.        | (S) Industrial Solvent  | (S) 2H-Pyran, tetrahydro-4-methyl-  |
| P-20-0138A | 4 | 11/20/2020 | Gurit (USA)<br>Inc              | (S) The substance is part of a mixture with other amines to act as a curative for a 2-part epoxy adhesive formulation. The new substance will be used within an adhesive formulation for use within an industrial setting primarily but not limited to industries such as marine, automotive and wind energy. | (G) Alkane diglycidy ether, polymer with alkyl-cycloalkane diam             |
| P-20-0146A | 2 | 11/06/2020 | СВІ                             | (G) Insulating material for electrical parts  | (G) Alkanoic acid, alkyl, carbopolycyclic alkyl ester;                      |
| P-20-0148  | 2 | 11/12/2020 | Solugen Inc.                    | (G) Additive for consumer,<br>industrial, and commercial<br>uses.   | (G) Hydroxyalkanoic acid, salt, oxidized                                    |
| P-20-0149  | 2 | 11/12/2020 | Solugen Inc.                    | (G) Additive for consumer,<br>industrial, and commercial<br>uses.   | (G) Hydroxyalkanoic acid, salt, oxidized                                    |
| P-20-0150  | 2 | 11/12/2020 | Solugen Inc.                    | (G) Additive for consumer,<br>industrial, and commercial<br>uses.   | (G) Hydroxyalkanoic acid, salt, oxidized                                    |
| P-20-0151  | 2 | 11/12/2020 | Solugen Inc.                    | (G) Additive for consumer,<br>industrial, and commercial<br>uses.   | (G) Hydroxyalkanoic acid, salt, oxidized                                    |

| P-20-0153A | 4 | 11/04/2020 | СВІ                         | (G) lubricant additive -<br>dispersant   | (G) Polyamines, reaction products with succinic anhydride polyalkenyl derivs., borates  |
|------------|---|------------|-----------------------------|--|---|
| P-20-0154A | 4 | 11/04/2020 | CBI                         | (G) lubricant additive -<br>dispersant   | (G) Polyamines, reaction products with succinic anhydride polyalkenyl derivs., borates  |
| P-20-0161A | 2 | 11/04/2020 | Sirrus, Inc.                | (S) Film former or<br>crosslinker additive used in<br>coatings, waterborne<br>emulsions, adhesives   | (S) Propanedioic acid, 2-methylene-, 1,3-diethyl ester, polymer w 1,4-butanediol  |
| P-20-0169  | 3 | 11/23/2020 | СВІ                         | (G) Battery Plastics and<br>coatings applications,<br>Conductive agent for<br>conductive plastic and paint   | (S) multiwalled carbon nanotube   |
| P-20-0183A | 2 | 11/16/2020 | CBI                         | (G) Intermediate   | (G) Aryl ether epoxide, homopolymer, ether with alkanolamine  |
| P-21-0003  | 3 | 11/04/2020 | CBI                         | (G) Polymeric film former for coatings   | (G) 4, 4 methylenebis (2, 6 dimethyl phenol) polymer with 2-<br>(chloromethyl) oxirane, 1,4-benzene diol, 2-methyl-2-propenoic a<br>mixed alkyl substituted 2-methyl 2-propenoate, and ethyl<br>2-propenoate, reaction products with 2-(dimthylamino) ethanol |
| P-21-0004  | 3 | 11/11/2020 | CBI                         | (G) Surfactant   | (G) Poly alkyl glycol alkyl ether   |
| P-21-0011  | 2 | 11/04/2020 | CBI                         | (S) Crosslinking agent for inks and coatings   | (G) Hexane, 1,6-diisocyanato-, homopolymer, alkyl epoxy ether-<br>polyethylene glycol mono-Me ether-blocked, reaction products w<br>propylenimine   |
| P-21-0012  | 1 | 10/28/2020 | СВІ                         | (G) The notified substance<br>will be used as a fragrance<br>ingredient.   | (G) Multialkylbicycloalkenyl substituted propanenitrile   |
| P-21-0013  | 2 | 11/24/2020 | Takasago                    | (S) Fragrance in fine<br>fragrance, deodorants and<br>cosmetics, household<br>products such as laundry<br>detergents and air fresheners,<br>Shampoos and Body Washes | (G) methyl phenylethyl cyclopropanemethanol   |
| P-21-0014  | 2 | 11/06/2020 | CBI                         | (G) oil and gas extraction   | (G) Aliphatic alcohol, bis-tetra-alkyl ammonium, chloride salts   |
| P-21-0015  | 1 | 10/30/2020 | Designer<br>Molecules, Inc. | (S) As a raw material in a<br>Temporary Bonding<br>Adhesive formulation.   | (S) Amines, C36-alkylenedi-, polymers with 5,5'-[(1-<br>methylethylidene)bis(4,1-phenyleneoxy)]bis[1,3-isobenzofurandi<br>and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-<br>aminophenol]  |

| P-21-0016   | 1 | 11/02/2020 | CBI   | (G) Paint additive, Additive<br>in coating formulations,<br>Component in cleaning<br>agents   | (G) Alkanoic acid, dialkyl ester  |
|-------------|---|------------|---|---|---|
| P-21-0017   | 1 | 11/12/2020 | Sumitomo<br>Chemical<br>Advanced<br>Technologies<br>LLC | (S) Substance used to<br>improve physical properties<br>in rubber products.   | (G) [(Substituted-carbomonocyclic) amino] oxoalkenoic acid,<br>inorganic salt   |
| P-21-0018   | 1 | 11/12/2020 | Shin-Etsu<br>Microsi                                    | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing   | (G) Sulfonium, triphenyl-, heterocyclic compound-carboxylate (1   |
| P-21-0019   | 2 | 11/17/2020 | СВІ   | (G) The notified substance<br>will be used as a fragrance<br>ingredient.  | (G) Ethyl 4-alkyl-2-oxocycloalkanecarboxylate   |
| P-21-0022   | 1 | 11/20/2020 | CBI   | (S) Flexographic water-based<br>Ink & coating vehicle   | (G) Rosin acid esters   |
| P-21-0023   | 1 | 11/23/2020 | СВІ   | (G) Photolithography  | (G) Sulfonium, carbocyclic-, salt with 1-(alkyl) 2-[4-[polyhydro-<br>2-carbomonocyclic-5-(polyfluoro-2-sulfoalkyl)-4,7-methano-1,3-<br>benzodioxol-2-yl]carbomonocyclic oxy]acetate (1:1) |
| P-21-0027   | 1 | 11/23/2020 | СВІ   | (G) An ingredient used in the manufacture of photoresist  | (G) Heteropolycyclic, trihaloalkyl carbomonocycle-, hydroxy carbomonocyclic salt  |
| SN-17-0006A | 5 | 10/29/2020 | СВІ   | (G) Physical characteristics<br>modifier for industrial use in<br>certain solid composite<br>articles   | (G) Potassium Titanate  |
| J-21-0002   | 2 | 12/02/2020 | CBI   | (G) Ethanol production  | (G) Saccharomyces cerevisiae modified   |
| J-21-0003   | 2 | 12/02/2020 | CBI   | (G) Ethanol production  | (G) Saccharomyces cerevisiae modified   |
| P-17-0263A  | 5 | 12/09/2020 | СВІ   | (G) Most paint formulators<br>will add less than 5% of<br>Borchi Gel NA that contains<br>50% of the PMN substance to<br>make their formulated<br>product volume. (i.e. 10 | (G) Zirconium carboxylates sodium complexes   |

|            |    |            |                                    | gallon batch would contain<br>0.5 gallon of our product<br>(0.25gal of PMN substance).  |   |
|------------|----|------------|------------------------------------|---|---|
| P-18-0057A | 15 | 12/08/2020 | CBI                                | (S) a drier accelerator that is<br>used for superior drying<br>performance in solvent-borne<br>and waterborne air dried<br>paints, inks and coatings. | (G) Vanadium Carboxylate  |
| P-19-0165A | 4  | 12/16/2020 | Arboris, LLC                       | (G) Plasticizer in rubber,<br>Additive for asphalt  | (G) Tall oil pitch, fraction, sterol-low  |
| P-20-0058A | 4  | 12/01/2020 | CBI                                | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Polysaccharide, polymer with unsaturated carboxylic acid and<br>methacryloxyethyltrimethyl ammonium chloride, sodium salt, aci<br>initiated |
| P-20-0058A | 5  | 12/08/2020 | СВІ                                | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Polysaccharide, polymer with unsaturated carboxylic acid and<br>methacryloxyethyltrimethyl ammonium chloride, sodium salt, aci<br>initiated |
| P-20-0078A | 3  | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)  |
| P-20-0078A | 4  | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)  |
| P-20-0078A | 5  | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)  |
| P-20-0079A | 3  | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2   |
| P-20-0079A | 4  | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2   |
| P-20-0079A | 5  | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner   | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2   |

| P-20-0080A | 6 | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner                            | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)  |
|------------|---|------------|------------------------------------|--|---|
| P-20-0080A | 7 |            | Ascend<br>Performance<br>Materials | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner                            | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)  |
| P-20-0081A | 6 | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) A stabilizer for industrial applications   | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)  |
| P-20-0081A | 7 |            | Ascend<br>Performance<br>Materials | (G) A stabilizer for industrial applications   | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)  |
| P-20-0082A | 6 | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)  |
| P-20-0082A | 7 |            | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications   | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)  |
| P-20-0128A | 2 | 12/16/2020 | CBI                                | (G) Additive in Household consumer products  | (S) 2-Oxiraneacetic acid, 3-ethyl-, 1-(3,3 dimethylcyclohexyl)eth ester   |
| P-20-0169A | 4 | 11/30/2020 | CBI                                | (G) Battery Plastics and<br>coatings applications,<br>Conductive agent for<br>conductive plastic and paint | (S) multiwalled carbon nanotube   |
| P-20-0173A | 2 | 12/07/2020 | CBI                                | (G) Battery Plastics and<br>coatings applications,<br>Conductive agent for<br>conductive plastic and paint | (S) multiwalled carbon nanotube   |
| P-20-0180A | 2 | 12/09/2020 | Evonik<br>Degussa<br>Corporation   | (S) Curing agent for<br>Industrial epoxy Composite   | (S) Cyclohexanemethanamine,5-amino-1,3,3-trimethy-, N-sec-B dervis.   |
| P-21-0010  | 3 | 12/16/2020 | Evonik<br>Degussa<br>Corporation   | (S) 3D Printing  | (S) 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3<br>propanediol, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)- 1,3-<br>propanediol, hexanedioic acid, 1,6-hexanediol and 1,3-<br>isobenzofurandione, N-[[1,3,3-trimethyl-5-[[[2-[(1-0x0-2- proper |

|           |   |            |                            |   | 1-yl)oxy]ethoxy]carbonyl]amino]cyclohexyl]methyl]carbamate<br>N-[3,3,5-trimethyl-5-[[[[2-[(1-oxo-2-propen-1-<br>yl)oxy]ethoxy]carbonyl]amino]methyl]cyclohexyl]carbamate |
|-----------|---|------------|----------------------------|---|--|
| P-21-0021 | 4 | 12/16/2020 | J6 Polymers                | (S) Raw material to be<br>blending into R-side<br>components of the<br>polyurethane and<br>polyisocyanurate industry.<br>Specifically used in<br>slabstock/bunstock<br>processing of foam   | (S) Soybean oil, mixed esters with diethylene glycol, phthalic aci-<br>terephthalic acid   |
| P-21-0024 | 2 | 12/07/2020 | CBI                        | (G) lamination catalyst   | (G) Sulfur acid, compd. with bis-alkanolamine (1:1)  |
| P-21-0025 | 2 | 12/07/2020 | CBI                        | (G) lamination catalyst   | (G) Sulfur acid, compd. with bis-alkanolamine (1:1)  |
| P-21-0026 | 2 | 12/07/2020 | CBI                        | (G) lamination catalyst   | (G) Sulfur acid, compd. with bis-alkanolamine (1:1)  |
| P-21-0031 | 2 | 12/10/2020 | Omnium<br>International    | (S) Used as a component in a<br>mineral oil based<br>anticorrosion oil. Two<br>applications for the<br>anticorrosion oil are for use<br>in cavities, interiors and<br>closed systems and for<br>protection of large metal parts<br>against corrosion. | (S) Isooctadecanoic acid, compd. with N-cyclohexylcyclohexanal (1:1)   |
| P-21-0037 | 1 | 12/11/2020 | Sinova<br>Specialties Inc. | (S) Used as a viscosity<br>modifier in commercial and<br>consumer engine oil  | (S) [1,1'-Biphenyl]-3,3',4,4'-tetracarboxamide, N3,N3',N4,N4'-<br>tetraoctyl)  |
| P-21-0038 | 1 | 12/11/2020 | Sinova<br>Specialties Inc. | (S) Used as a viscosity<br>modifier in commercial and<br>consumer engine oil  | (S) [1,1'-Biphenyl]-3,3',4,4'-tetracarboxamide, N3, N3', N4, N4'-<br>tetradodecyl-   |
| P-21-0039 | 1 | 12/11/2020 | Sinova<br>Specialties Inc. | (S) Part of a series of<br>chemicals used as viscosity<br>modifiers in commercial and<br>consumer engine oil  | (S) 1,2,4,5-Benzenetetracarboxamide, N1, N2, N4, N5-tetrahexyl   |
| P-21-0040 | 1 | 12/11/2020 | Sinova<br>Specialties Inc. | (S) Part of a series of<br>chemicals used as viscosity<br>modifiers in commercial and   | (S) 1,2,4,5-Benzenetetracarboxamide, N1,N2,N4,N5-tetraoctyl-   |

|             |   |            |                                 | consumer engine oil   |   |
|-------------|---|------------|---------------------------------|---|---|
| P-21-0041   | 1 | 12/11/2020 | Sinova<br>Specialties Inc.      | (S) Part of a series of<br>chemicals used as viscosity<br>modifiers in commercial and<br>consumer engine oil                    | (S) 1,2,4,5-Benzenetetracarboxamide, N1,N2,N4,N5-tetradodecy  |
| P-21-0042   | 1 | 12/15/2020 | CBI                             | (G) Photolithography  | (G) Sulfonium, tricarbocyclic-, 2-heteroatom-substituted-<br>4-(alkyl)carbomonocyclic carboxylate (1:1) |
| P-21-0043   | 1 | 12/16/2020 | Advanced<br>Polymer<br>Coatings | (S) Component in protective<br>coatings that provides<br>chemical resistance  | (G) Glycidyl ether of (formaldehyde, polymer with mixed phenol  |
| P-21-0044   | 1 | 12/17/2020 | CBI                             | (G) Monomer   | (G) Alkenoic acid, polyhaloalkyl ester  |
| P-21-0045   | 1 | 12/17/2020 | CBI                             | (G) Monomer   | (G) Alkenoic acid, alkyl-substituted, polyhaloalkyl ester   |
| P-21-0046   | 1 | 12/17/2020 | CBI                             | (G) Monomer   | (G) Alkanoic acid, polyhalo-, halo-oxo-alkenyl-oxo-alkyl ester  |
| P-21-0047   | 1 | 12/17/2020 | CBI                             | (G) Monomer   | (G) Alkenoic acid, halo-substituted-polyhalo-alkyl ester  |
| P-21-0049   | 1 | 12/18/2020 | CBI                             | (G) Monomer   | (G) Alkanoic acid, polyhalo-(halo-oxo-alkenyl)oxyalkyl ester  |
| P-21-0050   | 1 | 12/18/2020 | CBI                             | (G) Monomer   | (G) Alkenoic acid, halo-polylhaloalkyl ester  |
| SN-20-0006A | 3 | 12/18/2020 | CBI                             | (G) Color Developer   | (S) Phenol, 4,4'-[1-[4-[1-(4-hydroxyphenyl)-<br>1-methylethyl]phenyl]ethylidene]bis-                    |
| SN-21-0001  | 1 | 12/07/2020 | CBI                             | (S) Chelating agent for use in<br>hard surface cleaning (and<br>disinfection), Chelating agent<br>for use in laundry detergent. | (S) Glycine, N-(carboxymethyl)-N-[2-[(carboxymethyl)amino]et<br>sodium salt (1:3)                       |
| SN-21-0001A | 2 | 12/14/2020 | СВІ                             | (G) Ethanol production  | (S) Glycine, N-(carboxymethyl)-N-[2-[(carboxymethyl)amino]et<br>sodium salt (1:3)                       |
| J-21-0007   | 1 | 12/21/2020 | CBI                             | (S) Chelating agent for use in<br>hard surface cleaning (and<br>disinfection), Chelating agent<br>for use in laundry detergent. | (G) Biofuel producing <i>Saccharomyces cerevisiae</i> modified, genet stable                            |
| J-21-0008   | 1 | 12/21/2020 | СВІ                             | (S) Chelating agent for use in<br>hard surface cleaning (and<br>disinfection), Chelating agent<br>for use in laundry detergent. | (G) Biofuel producing <i>Saccharomyces cerevisiae</i> modified, genet stable                            |
| J-21-0009   | 1 | 12/21/2020 | CBI                             | (S) Chelating agent for use in hard surface cleaning (and   | (G) Biofuel producing <i>Saccharomyces cerevisiae</i> modified, genet stable                            |

|            |    |            |                                    | disinfection), Chelating agent for use in laundry detergent.  |  |
|------------|----|------------|------------------------------------|---|--|
| P-16-0592A | 6  | 01/08/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This low viscosity diester<br>will be blended with a higher<br>viscosity ester to make a high<br>efficiency gear lubricant<br>primarily for worm gear<br>applications.  | (S) Fatty acids, C8-C10, diesters with alpha-hydro-<br>w-hydroxypoly(oxy-1,4-butanediyl)   |
| P-16-0592A | 7  | 01/13/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This low viscosity diester<br>will be blended with a higher<br>viscosity ester to make a high<br>efficiency gear lubricant<br>primarily for worm gear<br>applications.  | (S) Fatty acids, C8-C10, diesters with alpha-hydro-<br>w-hydroxypoly(oxy-1,4-butanediyl)   |
| P-18-0153A | 4  | 01/27/2021 | CBI                                | (G) Mixed metal oxide for batteries   | (G) Lithium mixed metal oxide  |
| P-18-0273A | 3  | 01/04/2021 | CBI                                | (G) Used in polymer manufacturing.  | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester  |
| P-18-0326A | 9  | 01/14/2021 | CBI                                | (G) Chemical Intermediate   | (G) Alkanoic acid, alkyl ester, manuf. of, byproducts from, distn. residues  |
| P-18-0349A | 6  | 12/31/2020 | Lanxess<br>Solutions US<br>Inc     | (S) Two component<br>adhesives and protective<br>coatings for marine,<br>infrastructure, etc. The<br>urethane prepolymer is<br>designed to react with epoxy<br>materials to create a flexible<br>coating or adhesive. | (S) Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-<br>propanetriol (3:1), polymer with 2,4-diisocyanato-1-methylbenze<br>branched 4-nonylphenol-blocked |
| P-19-0098A | 3  | 01/07/2021 | Clariant<br>Corporation            | (S) Flame retardant additive for intumescent coatings.  | (G) Phosphoric acid, polymer with (hydroxyalkyl)-alkanediol and alkanediol   |
| P-19-0122A | 3  | 01/27/2021 | СВІ                                | (G) Reactant monomer in a polymer for industrial use  | (G) 2-propenoic acid, 2-(hydrogenated animal-based nitrogen-<br>substituted) ethyl ester   |
| P-20-0010A | 12 | 01/21/2021 | СВІ                                | (G) Polymerization auxiliary  | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal   |

| P-20-0030A | 4 | 01/26/2021 | СВІ                                | (S) Plasticizer for Plastisols,<br>Plasticizer in caulks and<br>sealants | (G) Hexanedioic acid, carbomonocyclic esters  |
|------------|---|------------|------------------------------------|--|---|
| P-20-0036A | 4 | 01/12/2021 | Sigma-Aldrich<br>Co. LLC           | (G) Used in the manufacture of Lithium-6 Chloride.                       | (S) Carbonic acid, di(lithium-6Li) salt   |
| P-20-0071A | 8 | 01/13/2021 | СВІ                                | (G) Colorant   | (G) Salt of 2-Naphthalenesulfonic acid, hydroxy [(methoxy-meth<br>4-sulfophenyl)diazenyl]                         |
| P-20-0078A | 6 | 01/07/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)                      |
| P-20-0079A | 6 | 01/07/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2   |
| P-20-0080A | 8 | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)  |
| P-20-0080A | 9 | 01/07/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)  |
| P-20-0081A | 8 | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)  |
| P-20-0081A | 9 | 01/07/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)  |
| P-20-0082A | 8 | 12/28/2020 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)  |
| P-20-0082A | 9 | 01/07/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                               | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)  |
| P-20-0083A | 2 | 01/27/2021 | СВІ                                | (G) Reactant monomer in a polymer for industrial use                     | (G) 2-propenoic acid, nitrogen-substituted alkyl, N-C16-18-acyl (   |
| P-20-0096A | 4 | 01/28/2021 | Solenis LLC                        | (G) Use in papermaking process   | (G) Unsaturated dicarboxylic acid polymer with<br>2-(dialkylamino)alkyl-alkyl-alkanoate, N, N-dialkyl-alkene amid |

|            |   |            |                                 |  | 2-propenamide and salt of alkyl-substituted alkene sulfonate  |
|------------|---|------------|---------------------------------|--|---|
| P-20-0097A | 4 | 01/06/2021 | Nelson<br>Brothers, LLC         | (S) The PMN substance will<br>be used as an emulsifier for<br>applications in explosives.  | (G) Butanedioic acid, monopolyisobutylene derivs., mixed dihydroxyalkyl and hydroxyalkoxyalkyl diesters   |
| P-20-0101A | 5 | 01/15/2021 | Allnex USA<br>Inc.              | (S) Coating Resin  | (G) Alkanoic acid, hydroxy-(hydroxyalkyl)-alkyl-, polymer with<br>alpha-[(hydroxyalkyl)alkyl]-omega-alkoxypoly(oxy-alkanediyl),<br>(haloalkyl)oxiane polymer (alkylalkylidene)bis[hydroxy-<br>carbomonocycle] alkenoate and isocyanate-alkyl-carbomonocycl<br>hydroxyalkyl acrylate-blocked |
| P-20-0105A | 4 | 01/13/2021 | Sound<br>Agriculture<br>Company | (S) Maltol lactone is a<br>compound that promotes<br>microbial activity in the soil,<br>resulting in increased<br>availability of phosphorus for<br>crops. This substance will be<br>used on commercial farming<br>operations. | (S) 4H-Pyran-4-one, 3-[(2,5-dihydro-4-methyl-5-oxo-2-furanyl)o<br>2-methyl-   |
| P-20-0107A | 4 | 01/13/2021 | СВІ                             | (G) Crosslinking polymer   | (G) Carbimide, polyalkylenepolyarylene ester, polymer with 1,2-<br>alkanediol, 2-alkoxyalkyl methacrylate- and 3-(2-alkoxyalkyl)-<br>2-heterocycle-blocked  |
| P-20-0121A | 2 | 01/25/2021 | CBI                             | (S) Chemical intermediate  | (G) Imidic acid, alkyl ester, sulfate,  |
| P-20-0123A | 2 | 01/25/2021 | СВІ                             | (S) Binder   | (G) Nitrogen-substituted heterocycle, homopolymer, N-(nitrogen substituted alkyl) derivs., sulfates   |
| P-20-0136A | 2 | 01/18/2021 | Clariant<br>Corporation         | (S) Surface treatment compound for textiles.   | (G) Arylcarboxylic acid, alkyl ester, polymer with alkanediol, est with methyloxirane polymer with oxirane alkyl ether  |
| P-20-0169A | 5 | 01/22/2021 | СВІ                             | (G) Battery Plastics and<br>coatings applications,<br>conductive agent for<br>conductive plastic and paint   | (S) multiwalled carbon nanotube   |
| P-20-0173A | 3 | 01/15/2021 | ICM Products<br>Inc.            | (G) Use as a Coating<br>Additive   | (G) Silsesquioxanes, alkyl, alkoxy- and hydroxy- terminated   |
| P-21-0005  | 4 | 01/22/2021 | Evonik<br>Corporation           | (S) Polymeric additive in gear<br>oils   | (G) Carbonmonocyclic alkene polymer with alkyl alkenoate, alky alkenoate, alkyl alkenoate and polyalkyldiene alkenoate.   |
| P-21-0006A | 3 | 01/19/2021 | СВІ                             | (G) Froth flotation to treat<br>rare earth minerals and to   | (G) Naphthalene derivative  |

|            |   |            |                                  | remove deleterious substances.  |   |
|------------|---|------------|----------------------------------|---|---|
| P-21-0010A | 4 | 01/07/2021 | Evonik<br>Degussa<br>Corporation | (S) 3D Printing   | (S) 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3<br>propanediol, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)- 1,3-<br>propanediol, hexanedioic acid, 1,6-hexanediol and 1,3-<br>isobenzofurandione, N-[[1,3,3-trimethyl-5-[[[2-[(1-oxo-2- proper<br>1-yl)oxy]ethoxy]carbonyl]amino]cyclohexyl]methyl]carbamate<br>N-[3,3,5-trimethyl-5-[[[[2-[(1-oxo-2-propen-1-<br>yl)oxy]ethoxy]carbonyl]amino]methyl]cyclohexyl]carbamate |
| P-21-0012A | 2 | 01/12/2021 | СВІ                              | (G) The notified substance<br>will be used as a fragrance<br>ingredient.  | (G) Multialkylbicycloalkenyl substituted propanenitrile   |
| P-21-0012A | 3 | 01/21/2021 | СВІ                              | (G) The notified substance<br>will be used as a fragrance<br>ingredient.  | (G) Multialkylbicycloalkenyl substituted propanenitrile   |
| P-21-0020  | 3 | 01/22/2021 | Allnex USA<br>Inc.               | (S) Modifier for hardness<br>development in paint<br>formulations for metal<br>applications.  | (G) Alkanedioic acid, dialkyl ester, polymer with dialkyl-alkaned alkyl(substituted alkyl)-alkanediol and heteropolycycle   |
| P-21-0021A | 5 | 01/11/2021 | J6 Polymers                      | (S) Raw material to be<br>blending into R-side<br>components of the<br>polyurethane and<br>polyisocyanurate industry.<br>Specifically used in<br>slabstock/bunstock<br>processing of foam | (S) Soybean oil, mixed esters with diethylene glycol, phthalic acid   |
| P-21-0034  | 3 | 01/06/2021 | Evonik<br>Degussa<br>Corporation | (S) crosslinker for automotive<br>coatings, wood and plastic<br>coatings  | (G) Carbamic acid, N-[3-(trialkoxysilyl)propyl]-, C,C'-[2,2,4(or 2 trimethyl-1,6-hexanediyl] ester  |
| P-21-0035  | 3 | 01/06/2021 | Evonik<br>Degussa<br>Corporation | (S) crosslinker for automotive<br>coatings, wood and plastic<br>coatings  | (G) Carbamic acid, N-[3-(trialkoxysilyl)propyl]-, C,C'-[2,2,4(or 2 trimethyl-1,6-hexanediyl] ester  |
| P-21-0043A | 2 | 01/05/2021 | Advanced<br>Polymer<br>Coatings  | (S) Component in protective<br>coatings that provides<br>chemical resistance  | (G) Glycidyl ether of (formaldehyde, polymer with mixed phenol  |

| P-21-0043A | 3 | 01/08/2021 | Advanced<br>Polymer<br>Coatings | (S) Component in protective<br>coatings that provides<br>chemical resistance | (G) Glycidyl ether of (formaldehyde, polymer with mixed phenol  |
|------------|---|------------|---------------------------------|--|---|
| P-21-0051  | 2 | 01/12/2021 | Designer<br>Molecules, Inc.     | (G) Resin component of an adhesive formulation                               | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>2-hydroxyethyl-terminated hydrogenated polybutadiene, bis(2,5-<br>dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate)  |
| P-21-0052  | 2 | 01/04/2021 | СВІ                             | (G) The notified substance<br>will be used as a fragrance<br>ingredient.     | (G) alkoxy-alkyl-octadiene; alkoxy-alkyl-octadiene;   |
| P-21-0053  | 2 | 01/04/2021 | СВІ                             | (G) The notified substance<br>will be used as a fragrance<br>ingredient.     | (G) (multialkyl substituted-cycloalkenyl)-methyl-pentenone;<br>(multialkyl substituted-cycloalkenyl)-methyl-pentenone;  |
| P-21-0054  | 3 | 01/08/2021 | СВІ                             | (G) carpet treatment additive  | (G) 2-Propenoic acid, 2-methyl-, aminoalkyl ester, polymer with hydroxyalkyl alkenoate and octadecyl alkenoate, acetate (salts)   |
| P-21-0056  | 2 | 01/15/2021 | СВІ                             | (G) Component of coatings  | (G) Isocyanic acid, polyalkylenepolyarylene ester, polymer with a hydroxyalkyl-alkanediol, alkoxyalcohol and alkoxylalkoxyalcoho blocked  |
| P-21-0057  | 2 | 01/21/2021 | СВІ                             | (G) Component of coatings  | (G) Sulfur based acid, compound with aminoalkylalkyl-<br>aminoalkylalkoxy-polyoxyalkylalkanediyl, polymer with haloalk<br>epoxide and alkylalkylidene-cycloarylalcohol  |
| P-21-0058  | 2 | 01/21/2021 | СВІ                             | (G) Component of coatings  | (G) Substituted alkanoic acid, compound with aminoalkylalkyl-<br>aminoalkylalkoxy-polyoxyalkylalkanediyl, polymer with haloalk<br>epoxide and alkylalkylidene-cycloarylalcohol  |
| P-21-0060  | 2 | 01/21/2021 | CBI                             | (G) Isolated intermediate  | (G) Bisphenol A epichlorohydrin polymer with alkylpolyalkene-<br>polyarylene-hydroxypolyoxyalkyldiyl reaction products with<br>alkylalkylidene-alkylalkylidene-aminoalkyl-alkanepolyamine and<br>alkylaminoalkanol                                  |
| P-21-0061  | 2 | 01/21/2021 | СВІ                             | (G) Component in coatings  | (G) Sulfur based acid, compds. with modified bisphenol<br>A-epichlorohydrin-polyalkylene polyol ether with bisphenol A<br>polymer-N-dialkylalkylidene-N-(dialkylalklyidene)aminoalkyl-<br>alkanepolyamine-alkylaminoalkanol reaction products       |
| P-21-0062  | 2 | 01/21/2021 | СВІ                             | (G) Component in coatings  | (G) Substituted-alkanoic acid, compds. with modified bisphenol<br>A-epichlorohydrin-polyalkylene polyol ether with bisphenol A<br>polymer-N-dialkylalkylidene-N-dialkylalkylideneaminoalkyl-<br>alkanepolyamine-alkylaminoalkanol reaction products |

| P-21-0063   | 1 | 01/05/2021 | СВІ                         | (G) Component in herbicides   | (G) Heterocyclic-polycarboxylic acid, polyhaloaryl-polyhydro-all polyalkyl ester   |
|-------------|---|------------|-----------------------------|---|--|
| P-21-0064   | 2 | 01/12/2021 | СВІ                         | (G) Photolithography  | (G) Sulfonium, triphenyl-, polyfluoro-polyhydrospiro[9H-<br>carbopolycyclic-9,2'-[4,7]methano[1,3]benzodioxole]-5'-<br>alkenesulfonic acid (1:1)   |
| P-21-0065   | 2 | 01/26/2021 | Allnex USA<br>Inc.          | (S) Improve the reactivity of<br>ink formulation when cured<br>under under LED UV light                 | (G) Alkenoic acid, reaction products with alkylamine-alkanediyl diacrylate polymer and [oxybis(alkylene)]bis[alkyl-alkanediol]   |
| P-21-0067   | 1 | 01/14/2021 | Zymergen Inc                | (G) Polymer used in the manufacture of films  | (G) Arylfurandione, [bis(trihaloalkyl)alkylidene]bis-, polymer wi alkanediamine  |
| P-21-0068   | 1 | 01/18/2021 | СВІ                         | (G) Polymerization catalyst   | (G) Metalloxanes, alkyl, alkyl group-terminated, reaction product<br>with dihalo-dialkylalkylaryl-alkyl-polycyclic-ylidene(dialkylsilyl<br>dialkylalkylaryl-alkylalkyl-polycyclic-ylidene, metal oxide and<br>nonmetallic oxide  |
| P-21-0069   | 2 | 01/28/2021 | AltAir<br>Paramount<br>LLC  | (S) Fuel  | (S) Alkanes, C9-14-branched, cyclic and linear   |
| P-21-0070   | 2 | 01/28/2021 | AltAir<br>Paramount<br>LLC  | (S) Fuel  | (S) Alkanes, C4-8-branched and linear  |
| P-21-0073   | 1 | 01/21/2021 | Evonik<br>Corporation       | (S) plasticizer in PVC articles<br>like roofing membranes,<br>flooring or coated fabrics                | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-dinonyl ester, branche<br>linear (DINCD)   |
| P-21-0074   | 1 | 01/21/2021 | Designer<br>Molecules, Inc. | (G) Resin component of an adhesive formulation  | (S) 1,3-Butadiene, homopolymer, hydrogenated, 2-(ethenyloxy)et terminated  |
| P-21-0075   | 1 | 01/29/2021 | Allnex USA<br>Inc.          | (S) Coating Resin   | (G) Alkanoic acid, hydroxy-(hydroxyalkyl)-alkyl-, polymer with<br>alpha-[(hydroxyalkyl)alkyl]-omega-alkoxypoly(oxy-alkanediyl),<br>dialkyl carbonate, alkanediol, alkylene[isocyanato-carbomonocyc<br>and [oxybis(alkylene)]bis[alkyl-alkanediole] alkenoate, compd. w<br>dialkyalkanamine |
| SN-21-0001A | 3 | 12/29/2020 | СВІ                         | (S) Chelating agent for use in<br>hard surface cleaning (and<br>disinfection), in laundry<br>detergent. | (S) Glycine, N-(carboxymethyl)-N-[2-[(carboxymethyl)amino]etl sodium salt (1:3)  |

| SN-21-0001A | 4  | 01/07/2021 | СВІ          | (S) Chelating agent for use in<br>hard surface cleaning (and<br>disinfection), in laundry<br>detergent.   | (S) Glycine, N-(carboxymethyl)-N-[2-[(carboxymethyl)amino]etl sodium salt (1:3) |
|-------------|----|------------|--------------|---|---|
| SN-21-0001A | 5  | 01/18/2021 | СВІ          | (S) Chelating agent for use in<br>hard surface cleaning (and<br>disinfection), in laundry<br>detergent.   | (S) Glycine, N-(carboxymethyl)-N-[2-[(carboxymethyl)amino]etl sodium salt (1:3) |
| SN-21-0002  | 1  | 01/27/2021 | CBI          | (G) Raw Material  | (G) Aryl polyolefin   |
| J-21-0005   | 3  | 01/14/2021 | CBI          | (G) Chemical production   | (G) Modified Saccharomyces cerevisiae enhanced ethanol yield                    |
| J-21-0006   | 3  | 01/14/2021 | CBI          | (G) Chemical production   | (G) Modified Saccharomyces cerevisiae enhanced ethanol yield                    |
| P-18-0128A  | 5  | 02/22/2021 | CBI          | (G) Surface modifier  | (S) Inulin, 2-hydroxy-3-(trimethylammonio)propyl ether, chlorid                 |
| P-18-0135A  | 5  | 02/03/2021 | СВІ          | (G) Ingredient for household products   | (S) 1,2-Decanediol  |
| P-18-0256A  | 5  | 02/10/2021 | CBI          | (G) Chemical Intermediate   | (S) Undecanol, branched   |
| P-18-0273A  | 7  | 02/25/2021 | СВІ          | (G) Used in polymer manufacturing.  | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester               |
| P-18-0289A  | 9  | 02/15/2021 | СВІ          | (G) Gas scrubbing, landfill deoderizing   | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol                           |
| P-18-0289A  | 10 | 02/15/2021 | СВІ          | (G) Gas scrubbing, landfill deoderizing   | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol                           |
| P-18-0290A  | 9  | 02/15/2021 | СВІ          | (G) Gas scrubbing,<br>wastewater deoderizing  | (G) Carbomonocylic-oxazolidine  |
| P-18-0290A  | 10 | 02/15/2021 | СВІ          | (G) Gas scrubbing,<br>wastewater deoderizing  | (G) Carbomonocylic-oxazolidine  |
| P-18-0293A  | 8  | 02/02/2021 | Sirrus, Inc. | (S) Intermediate: Monomer<br>used as a chemical, in the<br>manufacture of polymers,<br>Adhesives: Monomer used in<br>the manufacture<br>(formulation) of adhesives,<br>Coatings: Monomer used in<br>the manufacture of industrial<br>coatings | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester                          |

| P-18-0294A | 9 | 02/02/2021 | Sirrus, Inc.                | (S) Intermediate: Monomer<br>used as a chemical, in the<br>manufacture of polymers,<br>Adhesives: Monomer used in<br>the manufacture<br>(formulation) of adhesives,<br>Coatings: Monomer used in<br>the manufacture of industrial<br>coatings | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester  |
|------------|---|------------|-----------------------------|---|--|
| P-18-0301A | 3 | 02/02/2021 | СВІ                         | (G) Coating component   | (G) Alkanedioic acid, polymer with cycloalkyl dimethanol, alkyl cycloalkyl diisocyanates, dimethyl-alkanediol, dihydroxyalkanoic methylenebis[isocyanatocyclohexane, hydroxyethyl acrylate- and polyalkyl glycol monoalkyl ether blocked |
| P-18-0383A | 5 | 02/02/2021 | СВІ                         | (G) Coatings and inks for commercial use  | (G) Dialkyl-alkanediamine, polymer with [(oxo-alkenyl)oxy]poly alkanediyl)ether with bis(hydroxyalkyl)-alkanediol  |
| P-19-0122A | 4 | 02/10/2021 | СВІ                         | (G) Reactant monomer in a polymer for industrial use  | (G) 2-propenoic acid, 2-(hydrogenated animal-based nitrogen-<br>substituted) ethyl ester   |
| P-20-0071A | 9 | 02/18/2021 | СВІ                         | (G) Colorant  | (G) Salt of 2-Naphthalenesulfonic acid, hydroxy [(methoxy-meth 4-sulfophenyl)diazenyl]   |
| P-20-0083A | 3 | 02/10/2021 | СВІ                         | (G) Reactant monomer in a polymer for industrial use  | (G) 2-propenoic acid, nitrogen-substituted alkyl, N-C16-18-acyl (  |
| P-20-0097A | 5 | 02/19/2021 | Nelson<br>Brothers, LLC     | (S) The PMN substance will<br>be used as an emulsifier for<br>applications in explosives.   | (G) Butanedioic acid, monopolyisobutylene derivs., mixed dihydroxyalkyl and hydroxyalkoxyalkyl diesters  |
| P-20-0110A | 2 | 02/02/2021 | Clariant<br>Corporation     | (S) Base oil additive for<br>lubricants and greases.  | (G) Oxirane, 2-methyl-, polymer with oxirane, (alkoxyalkoxy)alk alkyl ether  |
| P-20-0124A | 2 | 02/05/2021 | СВІ                         | (G) Additive in Household consumer products   | (S) 5-octen-4-ol, 3,5-dimethyl-, (5E)-   |
| P-20-0126A | 2 | 02/05/2021 | СВІ                         | (G) Additive in household consumer products   | (S) 4-Decenal, 5,9-dimethyl-   |
| P-20-0132A | 2 | 02/08/2021 | Designer<br>Molecules, Inc. | (G) Adhesive component  | (S) 1H-Pyrrole-2,5-dione, 3-methyl-, 1,1'-C36-alkylenebis-   |
| P-20-0148A | 3 | 01/29/2021 | Solugen Inc                 | (G) Additive for consumer,<br>industrial, and commercial<br>uses.   | (G) Hydroxyalkanoic acid, salt, oxidized   |

| P-20-0167A | 4 | 02/11/2021 | W. R. Grace &<br>Co Conn. | (G) Catalyst  | (G) Phenylene, alkyl and polycarbomonocycle substituted, 1,2-<br>dicarboxylate |
|------------|---|------------|---------------------------|---|--|
| P-20-0151A | 5 | 02/10/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0151A | 4 | 02/08/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0151A | 3 | 01/29/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0150A | 5 | 02/10/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0150A | 4 | 02/08/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0150A | 3 | 01/29/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0149A | 5 | 02/10/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0149A | 4 | 02/08/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0149A | 3 | 01/29/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0148A | 5 | 02/10/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |
| P-20-0148A | 4 | 02/08/2021 | Solugen Inc               | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized                                       |

| P-20-0168A | 6 | 02/10/2021 | CBI                         | (S) Lubricating additives for<br>engine oils, transmission and<br>hydraulic fluid and gear oil<br>applications | (G) Polyolefin polyamine succinimide, carbopolycycle alkoxylate  |
|------------|---|------------|-----------------------------|--|--|
| P-20-0183A | 3 | 02/10/2021 | CBI                         | (G) Intermediate   | (G) Aryl ether epoxide, homopolymer, ether with alkanolamine   |
| P-21-0015A | 2 | 01/28/2021 | Designer<br>Molecules, Inc. | (S) As a raw material in a<br>Temporary Bonding<br>Adhesive formulation.                                       | (S) Amines, C36-alkylenedi-, polymers with 5,5'-[(1-<br>methylethylidene)bis(4,1-phenyleneoxy)]bis[1,3-isobenzofurandi<br>and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-<br>aminophenol] |
| P-21-0036  | 2 | 02/04/2021 | CBI                         | (G) Additive in Household consumer products  | (S) 5-Hexen-2-one, 1-bicyclo[2.2.1]hept-2-yl-  |
| P-21-0039A | 2 | 02/03/2021 | Sinova<br>Specialties Inc.  | (S) Part of a series of<br>chemicals used as viscosity<br>modifiers in commercial and<br>consumer engine oil   | (S) 1,2,4,5-Benzenetetracarboxamide, N1, N2, N4, N5-tetrahexyl   |
| P-21-0040A | 2 |            | Sinova<br>Specialties Inc.  | (S) Part of a series of<br>chemicals used as viscosity<br>modifiers in commercial and<br>consumer engine oil   | (S) 1,2,4,5-Benzenetetracarboxamide, N1,N2,N4,N5-tetraoctyl-   |
| P-21-0041A | 2 |            | Sinova<br>Specialties Inc.  | (S) Part of a series of<br>chemicals used as viscosity<br>modifiers in commercial and<br>consumer engine oil   | (S) 1,2,4,5-Benzenetetracarboxamide, N1,N2,N4,N5-tetradodecy   |
| P-21-0051A | 3 | 02/15/2021 | Designer<br>Molecules, Inc. | (G) Resin component of an adhesive formulation   | (S) Fatty Acids, C18-unsatd., dimers, hydrogenated, polymers wi<br>2-hydroxyethyl-terminated hydrogenated polybutadiene, bis(2,5-<br>dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate)                           |
| P-21-0055  | 2 | 02/01/2021 | Hexion Inc                  | (G) adhesive used for coating formulation  | (G) fatty acids, reaction products with polyamine-polyacid polymand fatty acid   |
| P-21-0055A | 3 | 02/04/2021 | Hexion Inc                  | (G) adhesive used for coating formulation  | (G) fatty acids, reaction products with polyamine-polyacid polymand fatty acid   |
| P-21-0055A | 4 | 02/23/2021 | Hexion Inc                  | (G) adhesive used for coating formulation  | (G) fatty acids, reaction products with polyamine-polyacid polymand fatty acid   |
| P-21-0059  | 2 | 02/17/2021 | CBI                         | (G) Stabilizer   | (S) Methanesulfonic acid,1,1,1-trifluoro-, ytterbium(3+) salt (3:1)  |
| P-21-0060A | 3 | 02/03/2021 | CBI                         | (G) Isolated intermediate  | (G) Bisphenol A epichlorohydrin polymer with alkylpolyalkene-<br>polyarylene-hydroxypolyoxyalkyldiyl reaction products with  |

|            |   |            |                             |  | alkylalkylidene-alkylalkylidene-aminoalkyl-alkanepolyamine and alkylaminoalkanol   |
|------------|---|------------|-----------------------------|--|--|
| P-21-0061A | 3 | 02/03/2021 | СВІ                         | (G) Component in coatings  | (G) Sulfur based acid, compds. with modified bisphenol<br>A-epichlorohydrin-polyalkylene polyol ether with bisphenol A<br>polymer-N-dialkylalkylidene-N-(dialkylalklyidene)aminoalkyl-<br>alkanepolyamine-alkylaminoalkanol reaction products  |
| P-21-0062A | 3 | 02/03/2021 | СВІ                         | (G) Component in coatings  | (G) Substituted-alkanoic acid, compds. with modified bisphenol<br>A-epichlorohydrin-polyalkylene polyol ether with bisphenol A<br>polymer-N-dialkylalkylidene-N-dialkylalkylideneaminoalkyl-<br>alkanepolyamine-alkylaminoalkanol reaction products  |
| P-21-0066  | 4 | 02/08/2021 | L & L<br>Products           | (S) Blended or stand alone,<br>epoxy curative (hardener) and<br>foaming agent when blended<br>with certain ingredients   | (G) 1,2-alcandiol, 3-aryloxy, mono phosphate ester   |
| P-21-0074A | 2 | 02/15/2021 | Designer<br>Molecules, Inc. | (G) Resin component of an adhesive formulation   | (S) 1,3-Butadiene, homopolymer, hydrogenated, 2-(ethenyloxy)et terminated  |
| P-21-0075A | 2 | 02/04/2021 | Allnex USA<br>Inc.          | (S) Coating Resin  | (G) Alkanoic acid, hydroxy-(hydroxyalkyl)-alkyl-, polymer with<br>alpha-[(hydroxyalkyl)alkyl]-omega-alkoxypoly(oxy-alkanediyl),<br>dialkyl carbonate, alkanediol, alkylene[isocyanato-carbomonocyc<br>and [oxybis(alkylene)]bis[alkyl-alkanediole] alkenoate, compd. w<br>dialkyalkanamine |
| P-21-0076  | 2 | 02/09/2021 | CBI.                        | (S) Additive for fluids used in oil drilling operations  | (G) Alcohols, C16-18 and C18-unsatd., reaction products with subsstituted alkyloxirane and alkyl acid  |
| P-21-0077  | 1 | 02/02/2021 | Rahn USA<br>Corp.           | (G) battery additive   | (S) Tinci_PMN3   |
| P-21-0078  | 1 | 02/02/2021 | Pinova, Inc.                | (S) Tackifying additive used<br>in tire manufacture;<br>Tackifying additive used in<br>hot melt adhesive<br>applications | (G) Phenol, polymer with alkyl-(alkylalkylenyl)cyclohexene, mix<br>dialkylcyclohexadienes, mixed alkyl-(alkylalkylidene)cyclohexer<br>and 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene  |
| P-21-0078A | 2 | 02/23/2021 | Pinova, Inc.                | (S) Tackifying additive used<br>in tire manufacture;<br>Tackifying additive used in<br>hot melt adhesive<br>applications | (G) Phenol, polymer with alkyl-(alkylalkylenyl)cyclohexene, mix<br>dialkylcyclohexadienes, mixed alkyl-(alkylalkylidene)cyclohexer<br>and 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene  |

| P-21-0079  | 1 | 02/04/2021 | CBI                 | (G) Additive in Household consumer products  | (S) 13-Oxabicyclo[10.1.0]trideca-4,8-diene, (4E)-   |
|------------|---|------------|---------------------|--|---|
| P-21-0080  | 2 | 02/10/2021 | Allnex USA<br>Inc.  | (S) Binder for UV Curable<br>Coating Resin   | (G) Alkanedioic acid, polymers with alkanoic acid-dipentaerythri<br>reaction products, alkanedioc acid dihydrazide, hydroxy-<br>(hydroxyalkyl)-alkylalkanoic acid, isocyanato-(isocyanatoalkyl)-a<br>substituted carbomonocycle, dialkylalkanediol and polyakylene<br>glycol(hydroxyalkyl)alkyl aklyl ether |
| P-21-0081  | 2 | 02/11/2021 | СВІ                 | (G) Additive in Household consumer products  | (S) 4-Pentenal, 5-cyclohexyl-2,4-dimethyl-, (4E)-   |
| P-21-0082  | 1 | 02/05/2021 | СВІ                 | (G) Additive in household consumer products  | (S) 1-Decen-4-yne   |
| P-21-0083  | 2 | 02/10/2021 | Allnex USA<br>Inc.  | (S) UV Curable resin   | (G) Alkenoic acid, reaction products with pentaerythritol, polyme<br>with diisocyanatoalkane and heteromonocyle homopolymer ester<br>with alkanoic acid-pentaerythritol reaction products   |
| P-21-0084  | 1 | 02/08/2021 | CBI                 | (G) Chemical intermediate  | (G) Carbopolycycle octa-alkene, halo  |
| P-21-0085  | 1 | 02/08/2021 | СВІ                 | (G) Used as an additive in the manufacture of tires to improve performance.                        | (S) 1-Propanethiol, 3-(triethoxysilyl)-, reaction products with polybutadiene   |
| P-21-0085A | 2 | 02/25/2021 | СВІ                 | (G) Used as an additive in the manufacture of tires to improve performance.                        | (S) 1-Propanethiol, 3-(triethoxysilyl)-, reaction products with polybutadiene   |
| P-21-0089  | 2 | 02/25/2021 | СВІ                 | (G) Emulsifier   | (G) Lignin, modified, reaction products with alkylamine by-products hydrochlorides  |
| P-21-0093  | 2 | 02/19/2021 | CBI                 | (G) Antiwear additive for lubricants   | (G) Phosphonic acid, dimethyl ester, reaction products with alkyl alkyl-alkanediol and alkanediol   |
| J-21-0004  | 3 | 01/25/2021 | Danisco US,<br>Inc. | (G) Production of a chemical substance   | (G) Genetically modified microorganism for the production of a chemical substance   |
| J-21-0005A | 4 | 03/05/2021 | CBI                 | (G) Chemical production  | (G) Modified Saccharomyces cerevisiae enhanced ethanol yield  |
| J-21-0006A | 4 | 03/05/2021 | CBI                 | (G) Chemical production  | (G) Modified Saccharomyces cerevisiae enhanced ethanol yield  |
| P-16-0404A | 6 | 03/01/2021 | CBI                 | (G) A colorant for dyeing<br>various synthetic fibers and<br>fabrics. Open, non-dispersive<br>use. | (G) Alkyl ester, 2-({4-[2-(trisubstituted phenyl)azo]-5-acetamido-<br>2-substitutedphenyl} (substituted alkoxy)amino)   |
| P-18-0281A | 5 | 03/26/2021 | CBI                 | (G) Electrolyte additive.  | (G) Cyclic sulfate  |

| P-18-0301A | 4  | 03/31/2021 | СВІ                                | (G) Coating component   | (G) Alkanedioic acid, polymer with cycloalkyl dimethanol, alkyl cycloalkyl diisocyanates, dimethyl-alkanediol, dihydroxyalkanoic methylenebis[isocyanatocyclohexane, hydroxyethyl acrylate- and polyalkyl glycol monoalkyl ether blocked |
|------------|----|------------|------------------------------------|---|--|
| P-18-0326A | 10 | 03/29/2021 | СВІ                                | (G) Chemical Intermediate   | (G) Alkanoic acid, alkyl ester, manuf. of, byproducts from, distn. residues  |
| P-18-0378A | 6  | 03/18/2021 | СВІ                                | (G) Industrial coatings additive.   | (G) Acrylic and Methacrylic acids and esters, polymer with<br>alkenylimidazole, alkyl polyalkylene glycol, alkenylbenzene,<br>alkylbenzeneperoxoic acid ester initiated, compds. with<br>Dialkylaminoalkanol                             |
| P-20-0058A | 6  | 03/18/2021 | СВІ                                | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner | (G) Polysaccharide, polymer with unsaturated carboxylic acid and methacryloxyethyltrimethyl ammonium chloride, sodium salt, aci initiated  |
| P-20-0058A | 7  | 03/19/2021 | СВІ                                | (G) Additive for automatic<br>dishwashing, Additive for<br>hard surface cleaner | (G) Polysaccharide, polymer with unsaturated carboxylic acid and<br>methacryloxyethyltrimethyl ammonium chloride, sodium salt, aci<br>initiated  |
| P-20-0078A | 7  | 03/24/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                                      | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)   |
| P-20-0079A | 7  | 03/24/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                                      | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2  |
| P-20-0080A | 10 | 03/24/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                                      | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)   |
| P-20-0081A | 10 | 03/24/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                                      | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)   |
| P-20-0082A | 10 | 03/24/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                                      | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)   |
| P-20-0144A | 5  | 03/01/2021 | СВІ                                | (G) Asphalt emulsion applications   | (S) Fatty acids, soya, reaction products with polyethylenepolyam   |
| P-20-0148A | 6  | 03/15/2021 | Solugen Inc                        | (G) Additive for consumer,<br>industrial, and commercial                        | (G) Hydroxyalkanoic acid, salt, oxidized   |

|            |   |            |                 | uses.  |   |
|------------|---|------------|-----------------|--|---|
| P-20-0148A | 7 | 03/22/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0149A | 6 | 03/15/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0149A | 7 | 03/22/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0150A | 6 | 03/15/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0150A | 7 | 03/22/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0151A | 6 | 03/15/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0151A | 7 | 03/22/2021 | Solugen Inc     | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                  |
| P-20-0169A | 6 | 03/15/2021 | CBI             | (G) Battery Plastics and<br>coatings applications,<br>Conductive agent for<br>conductive plastic and paint                                 | (S) multiwalled carbon nanotube                           |
| P-20-0169A | 7 | 03/26/2021 | CBI             | (G) Battery Plastics and<br>coatings applications,<br>Conductive agent for<br>conductive plastic and paint                                 | (S) multiwalled carbon nanotube                           |
| P-20-0174A | 5 | 03/16/2021 | P2 Science, Inc | (S) For use in consumer<br>products, as well as direct<br>addition to consumer<br>products. Specific functions<br>would be as solubilizer, | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer, monoacetate |

|            |   |            |                   | rheology modifier and fragrance oil.  |  |
|------------|---|------------|-------------------|---|--|
| P-20-0184A | 3 | 03/16/2021 | P2 Science, Inc   | (S) For use in fragrances for<br>consumer products, as well as<br>direct addition to consumer<br>products. Specific functions<br>would be as solubilizer,<br>rheology modifier and<br>fragrance oil.  | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer   |
| P-21-0012A | 4 | 03/24/2021 | CBI               | (G) The notified substance<br>will be used as a fragrance<br>ingredient.  | (G) Multialkylbicycloalkenyl substituted propanenitrile  |
| P-21-0028  | 2 | 03/01/2021 | СВІ               | (G) Hardener for composite applications   | (G) Phenol, methylethylidene, polymer chloromethyl epoxide and methylethylidene bis-oxy, bis-amine |
| P-21-0029  | 2 | 03/01/2021 | CBI               | (G) Bulk formulated mixture<br>for research and development<br>purposes only.   | (G) Amine, methylethylidenebis(oxy)  |
| P-21-0066A | 5 | 03/02/2021 | L & L<br>Products | (S) Blended or stand alone,<br>epoxy curative (hardener) and<br>foaming agent when blended<br>with certain ingredients  | (G) 1,2-alkanediol, 3 aryloxy, mono phosphate ester.   |
| P-21-0086  | 3 | 03/18/2021 | Croda Inc.        | (G) Marine engine oil<br>additive, polymer additive,<br>Greases, Refrigeration oil,<br>Metal working fluid,<br>Industrial drilling oil,<br>Industrial Rolling oil,<br>Compressor Oil, hydraulic<br>oil, Inudstrial turbine oil,<br>Industrial gear oil,<br>Automotive engine oil<br>additive, Automotive gear oil | (S) Isooctadecanamide, N,N-bis(2-ethylhexyl)   |
| P-21-0086A | 4 | 03/26/2021 | Croda Inc.        | (G) Automotive engine oil<br>additive, polymer additive<br>Greases, Refrigeration oil,<br>Metal working fluid,  | (S) Isooctadecanamide, N,N-bis(2-ethylhexyl)   |

|            |   |            |                              | Industrial drilling oil,<br>Industrial Rolling oil,<br>Compressor Oil, hydraulic<br>oil, Inudstrial turbine oil,<br>Industrial gear oil,<br>Automotive gear oil, Marine<br>engine oil additive |   |
|------------|---|------------|------------------------------|--|---|
| P-21-0090  | 3 | 03/02/2021 | CBI                          | (G) Component in paving formulations.  | (G) Lignin, modified, reaction products with alkylamine by-produ      |
| P-21-0091  | 3 | 03/12/2021 | CBI                          | (G) Laundry detergent<br>additive/emulsifier.,<br>emulsifier - water treatment,<br>Emulsifier, Industrial fluid,<br>Coatings and Plastics  | (G) Fatty acid esters polymer with Dicarboxylic Acid                  |
| P-21-0092  | 3 | 03/09/2021 | Miwon North<br>America, Inc. | (S) thermoset composites,<br>industrial coatings, 3D<br>printing   | (G) 2-Propenoic acid, (polyhydro-1,3-dioxo-2H-isoindol-2-yl)alk ester |
| P-21-0094  | 1 | 03/01/2021 | CBI                          | (S) Deposition precursor for<br>the manufacture of electronic<br>components  | (G) Silane, halogenated   |
| P-21-0095  | 4 | 03/16/2021 | CBI                          | (S) Crankcase Motor Oil<br>applications, formulated<br>transmission oils. Industrial<br>applications (especially<br>compressor and gear fluids)  | (G) Alkene Homopolymer Hydrogenated                                   |
| P-21-0095A | 5 | 03/30/2021 | CBI                          | (S) Crankcase Motor Oil<br>applications, formulated<br>transmission oils. Industrial<br>applications (especially<br>compressor and gear fluids)  | (G) Alkene Homopolymer Hydrogenated                                   |
| P-21-0097  | 1 | 03/05/2021 | СВІ                          | (S) Plasticizer for use in<br>dryblend applications (ie -<br>injection molding, slush<br>molding, extrusion,<br>calendering), Component in<br>lubricants and industrial oils,                  | (S) 1,2,4-Benzenetricarboxylic acid, trinonyl ester, branched and     |

|             |    |            |                               | Plastisol in spread-coating applications   |   |
|-------------|----|------------|-------------------------------|--|---|
| P-21-0098   | 3  | 03/18/2021 | Hubergroup                    | (S) Co-initiator for the curing<br>of UV printing inks   | (G) Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-[2(or<br>3)-[[substituted benzoyl]oxy]hydroxypropoxyl]-, alpha, alpha', al<br>-ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1) |
| P-21-0100   | 1  | 03/24/2021 | ENI Trading &<br>Shipping Inc | (G) Used as a lubricant and<br>lubricant additive, Lubricant<br>and lubricant additive   | (G) Raffinates (petroleum), vacuum distillate solvent, solvent-<br>dewaxed, hydrotreated  |
| P-21-0101   | 1  | 03/24/2021 | ENI Trading &<br>Shipping Inc | (G) Used as a lubricant and<br>lubricant additive, Lubricant<br>and lubricant additive   | (G) Benzenesulfonic acid, polyalkyl derivs., calcium salts  |
| SN-20-0007A | 2  | 03/08/2021 | СВІ                           | (S) A component of UV<br>Curable Coatings and<br>Printing Inks   | (S) 2-Propenoic acid, 1,1'-(3-methyl-1,5-pentanediyl) ester   |
| SN-21-0003  | 1  | 03/02/2021 | Norquay<br>Technology<br>Inc  | (G) Intermediate   | (S) 1,1'-Biphenyl, 4,4'-dibromo-  |
| J-21-0012   | 1  | 03/31/2021 | Vestaron<br>corporation       | (G) Production of an agricultural product  | (G) Yeast that has been stably modified for the production of an agricultural product   |
| J-21-0013   | 1  | 04/02/2021 | Vestaron<br>corporation       | (G) Production of an agricultural product  | (G) Yeast that has been stably modified for the production of an agricultural product   |
| P-18-0293A  | 10 | 04/12/2021 | Sirrus, Inc.                  | (S) Intermediate: Monomer<br>used as a chemical<br>intermediate in the<br>manufacture of polymers<br>substance, industrial coatings<br>(e.g., protective floor<br>coatings). is not used in spray<br>applications., adhesives (e.g.,<br>reactive, industrial structural<br>adhesives or lamination).<br>applied from a liquid form<br>(not aerosol or spray) as a<br>bead or film and are applied<br>via static mixer, roller, brush,<br>roll coater, or squeegee. | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester  |

| P-18-0294A | 10 | 04/12/2021 | Sirrus, Inc.                       | (S) Monomer used as a<br>chemical intermediate in the<br>manufacture of polymers.<br>The PMN substance is loaded<br>into the polymerization<br>equipment and is consumed<br>during the polymerization<br>process no inhalation<br>exposure is expected during<br>transfer and polymerization.<br>After incorporation into the<br>polymer, there is no worker<br>exposure to the PMN<br>substance. | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester   |
|------------|----|------------|------------------------------------|---|---|
| P-18-0294A | 10 | 04/12/2021 | Sirrus, Inc.                       | (S) Monomer used as a<br>chemical intermediate in the<br>manufacture of polymers.<br>The PMN substance is loaded<br>into the polymerization<br>equipment and is consumed<br>during the polymerization<br>process no inhalation<br>exposure is expected during<br>transfer and polymerization.<br>After incorporation into the<br>polymer, there is no worker<br>exposure to the PMN<br>substance. | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester   |
| P-18-0353A | 3  | 04/13/2021 | СВІ                                | (G) Adhesive  | (G) Phenolic resin, alkali, polymer with acetone-phenol reaction products, formaldehyde and phenol, sodium salts    |
| P-18-0354A | 3  | 04/13/2021 | СВІ                                | (G) Adhesive  | (G) Phenolic resin, alkali, polymer with acetone-phenol reaction products, formaldehyde and phenol, potassium salts |
| P-20-0001A | 7  | 04/05/2021 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear & lubricating oils & greases   | (S) Poly(oxy-1,4-butanediyl), alpha-(1-oxononyl)-omega-[(1-oxononyl)oxy]-   |

| P-20-0050  | 4 | 04/07/2021 | CBI                     | (S) Synthetic engine, gear & lubricating oils & greases  | (S) Poly(oxy-1,4-butanediyl), alpha-(1-oxononyl)-omega-[(1-oxononyl)oxy]-   |
|------------|---|------------|-------------------------|--|---|
| P-20-0093A | 4 | 04/06/2021 | Ashland Inc.            | (G) Coating  | (G) Alkanoic acid, 3-hetero-atom substituted-2-(heteroatom-<br>substituted alkyl)-2-alkyl-, polymer with 1,2-alkanediamine, alph<br>hydro-omega-heteroatom-substituted poly(oxy-1,4-alkanediyl) ar<br>5-hetero-atom substituted- 1- (heteroatom-substituted alkyl)-1, 3,<br>trialkylcycloalkane |
| P-20-0109A | 3 | 04/13/2021 | Huntsman<br>Corporation | (S) Exhaust dyeing of cotton and cotton blends.  | (G) Acetamide, N-[3-[alkyl(carbomonocyclic)<br>substituted]carbomonocycle]-, coupled with diazotized 2- substitu<br>3-halo-5-nitrobenzonitrile  |
| P-20-0138A | 5 | 03/16/2021 | Gurit (USA)<br>Inc      | (S) The substance is part of a<br>mixture with other amines to<br>act as a curative for a 2-part<br>epoxy adhesive formulation<br>but not limited to industries<br>such as marine, automotive<br>and wind energy. The<br>adhesive is "cured" at either<br>ambient conditions or using<br>heat and a chemical reaction<br>occurs forming a solid<br>composite structure | (G) Alkane diglycidy ether, polymer with alkyl-cycloalkane diam   |
| P-20-0174A | 6 | 04/13/2021 | P2 Science, Inc         | (S) For use in consumer<br>products, as well as direct<br>addition to consumer<br>products. Specific functions<br>would be as solubilizer,<br>rheology modifier and<br>fragrance oil.  | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer, monoacetate   |
| P-20-0184A | 4 | 04/13/2021 | P2 Science, Inc         | (S) For use in fragrances for<br>consumer products, as well as<br>direct addition to consumer<br>products. Specific functions<br>would be as solubilizer,<br>rheology modifier and<br>fragrance oil.   | (S) 6-Octen-1-ol, 3,7-dimethyl-, homopolymer  |

| P-21-0014A | 3 | 04/19/2021 | CBI                                 | (G) oil and gas extraction  | (G) Aliphatic alcohol, bis-tetra-alkyl ammonium, chloride salts                           |
|------------|---|------------|-------------------------------------|---|---|
| P-21-0048  | 3 | 04/06/2021 | СВІ                                 | (G) Detergent additive  | (G) Syrups, hydrolyzed starch, dehydrated, polymers with methad acid and alkenenylbenzene |
| P-21-0087  | 3 | 04/20/2021 | СВІ                                 | (G) Detergent additive  | (G) Syrups, hydrolyzed starch, dehydrated, polymers with methad acid and alkenenylbenzene |
| P-21-0091A | 4 | 04/02/2021 | СВІ                                 | (G) Laundry detergent<br>additive/emulsifier.,emulsifier<br>- water treatment, Industrial<br>fluid, Coatings and Plastics | (G) Fatty acid esters polymer with Dicarboxylic Acid                                      |
| P-21-0102  | 3 | 04/07/2021 | СВІ                                 | (G) Raw material for<br>industrial Additive<br>Manufacturing, UV-curable<br>inks, coatings and adhesives.                 | (G) heteromonocycle, polymer, [2-[(1-oxo-2-propen-<br>1-yl)oxy]alkyl]ester                |
| P-21-0104  | 3 | 04/07/2021 | CBI                                 | (G) lubricant   | (G) Alkanedioic acid, di branched alkyl esters  |
| P-21-0104A | 3 | 04/19/2021 | CBI                                 | (G) lubricant   | (G) Alkanedioic acid, di branched alkyl esters  |
| P-21-0105  | 3 | 04/07/2021 | CBI                                 | (G) lubricant   | (G) Alkanedioic acid, di C11-14 isoalkyl esters   |
| P-21-0105A | 3 | 04/19/2021 | CBI                                 | (G) lubricant   | (G) Alkanedioic acid, di C11-14 isoalkyl esters   |
| P-21-0106  | 2 | 04/14/2021 | Eastman<br>Chemical<br>Company, Inc | (S) Chemical additive for<br>production of tire and non-<br>tire rubber products  | (G) Distillates (petroleum), polymers with branched alkene                                |
| P-21-0107  | 2 | 04/14/2021 | Eastman<br>Chemical<br>Company, Inc | (S) Chemical additive for<br>production of tire and non-<br>tire rubber products  | (G) Distillates (petroleum), polymers with branched alkene, hydrogenated                  |
| P-21-0108  | 1 | 04/14/2021 | Enchem<br>America, LLC.             | (S) Additive for use in battery electrolyte formulations.   | (G) Oxathiole, oxide  |
| P-21-0109  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery   | (G) Component in fuels  | (G) Hydrocarbons linear and branched, light alkylate                                      |
| P-21-0110  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery   | (G) Component in fuels  | (G) Hydrocarbons linear and branched, light catalytic cracked                             |
| P-21-0111  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery   | (G) Component in fuels  | (G) Hydrocarbons linear and branched, heavy catalytic cracked                             |

| P-21-0112  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery | (G) Component in fuels                    | (G) Hydrocarbons linear and branched, light catalytic cracked                                      |
|------------|---|------------|-----------------------------------|---|--|
| P-21-0113  | 2 | 04/21/2021 | Chevron El                        | (G) Component in fuels                    | (G) Hydrocarbons linear and branched, isomerization  |
| P-21-0114  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery | (G) Component in fuels                    | (G) Hydrocarbons linear and branched, heavy catalytic reformed                                     |
| P-21-0116  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery | (G) Component in fuels                    | (G) Hydrocarbons linear and branched, hydrotreated light   |
| P-21-0117  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery | (G) Component in fuels                    | (G) Hydrocarbons linear and branched, hydrotreated light paraffi                                   |
| P-21-0118  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery | (S) Chemical Intermediate                 | (G) Hydrocarbons linear and branched, hydrotreated light paraffi                                   |
| P-21-0119  | 2 | 04/21/2021 | Chevron El<br>Segundo<br>Refinery | (S) Chemical Intermediate                 | (G) Hydrocarbons linear and branched, heavy hydrocracked   |
| P-21-0122  | 1 | 04/26/2021 | Chevron El<br>Segundo<br>Refinery | (S) Chemical Intermediate                 | (G) Hydrocarbons linear and branched, heavy hydrocracked   |
| P-21-0123  | 1 | 04/26/2021 | Chevron El<br>Segundo<br>Refinery | (G) Component in fuels                    | (G) Hydrocarbons linear and branched, light hydrocracked   |
| P-21-0124  | 1 | 04/26/2021 | СВІ                               | (G) Photolithography                      | (G) Sulfonium, triphenyl-, salt with fluoroalkyl<br>5-sulfobicyclo[2.2.1]heptane carboxylate (1:1) |
| SN-21-0004 | 1 | 03/31/2021 | CBI                               | (G) Monomer                               | (S) 2-Propenoic acid, 1,1'-(3-methyl-1,5-pentanediyl) ester  |
| J-21-0012A | 2 | 05/11/2021 | Vestaron<br>Corporation           | (G) Production of an agricultural product | (G) Yeast that has been stably modified for the production of an agricultural product              |
| J-21-0014  | 1 | 04/19/2021 | CBI                               | (G) Chemical production                   | (G) Chromosomally-modified Saccharomyces cerevisiae  |
| J-21-0015  | 1 | 04/19/2021 | CBI                               | (G) Chemical production                   | (G) Chromosomally-modified Saccharomyces cerevisiae  |

| J-21-0016  | 1  | 04/19/2021 | CBI          | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae  |
|------------|----|------------|--------------|--|--|
| J-21-0017  | 1  | 04/19/2021 | CBI          | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae  |
| J-21-0018  | 1  | 04/19/2021 | CBI          | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae  |
| J-21-0019  | 1  | 04/22/2021 | СВІ          | (G) Production of DNA for use in internal manufacturing.   | (G) Strain of Escherichia coli modified with genetically-stable, plasmid-borne DNA for the production of plasmid-borne DNA |
| P-18-0293A | 11 | 05/03/2021 | Sirrus, Inc. | <ul> <li>(S) Intermediate: Monomer<br/>used as a chemical, in the<br/>manufacture of polymers.</li> <li>(G) Coatings: Monomer used<br/>in the manufacture of<br/>industrial coatings (e.g.,<br/>protective floor coatings)</li> <li>Adhesives: Monomer used in<br/>the manufacture<br/>(formulation) of adhesives<br/>(e.g., reactive, industrial<br/>structural adhesives or<br/>lamination).</li> </ul>                        | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester   |
| P-18-0293A | 12 | 05/03/2021 | Sirrus, Inc. | <ul> <li>(G) Adhesives: Monomer<br/>used in the manufacture<br/>(formulation) of adhesives</li> <li>(e.g., reactive, industrial<br/>structural adhesives or<br/>lamination).</li> <li>Coatings: Monomer used in<br/>the manufacture of industrial<br/>coatings, is not used in spray<br/>applications.</li> <li>(S) Intermediate: Monomer<br/>used as a chemical<br/>intermediate in the<br/>manufacture of polymers.</li> </ul> | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester   |

| P-18-0294A | 11 | 05/03/2021 | Sirrus, Inc.            | <ul> <li>(S) Intermediate: Monomer<br/>used as a chemical, in the<br/>manufacture of polymers.</li> <li>(G) Coatings: Monomer used<br/>in the manufacture of<br/>industrial coatings (e.g.,<br/>protective floor coatings)</li> <li>Adhesives: Monomer used in<br/>the manufacture<br/>(formulation) of adhesives<br/>(e.g., reactive, industrial<br/>structural adhesives or<br/>lamination).</li> </ul> | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester                |
|------------|----|------------|-------------------------|---|--|
| P-18-0294A | 12 | 05/11/2021 | Sirrus, Inc.            | <ul> <li>(S) Intermediate: Monomer<br/>used as a chemical, in the<br/>manufacture of polymers.</li> <li>(G) Coatings: Monomer used<br/>in the manufacture of<br/>industrial coatings (e.g.,<br/>protective floor coatings)</li> <li>Adhesives: Monomer used in<br/>the manufacture<br/>(formulation) of adhesives<br/>(e.g., reactive, industrial<br/>structural adhesives or<br/>lamination).</li> </ul> | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester                |
| P-19-0098A | 4  | 05/05/2021 | Clariant<br>Corporation | (S) Flame retardant additive for intumescent coatings.  | (G) Phosphoric acid, polymer with (hydroxyalkyl)-alkanediol and alkanediol |
| P-20-0044A | 4  | 05/24/2021 | Angus                   | (G) Phosphoric acid, polymer<br>with (hydroxyalkyl)-<br>alkanediol and alkanediol<br>additive for industrial  | (S) 1-Propanamine, 3-methoxy-N,N-dimethyl                                  |

|            |   |            |              | polyurethane dispersions;  |  |
|------------|---|------------|--------------|--|--|
|            |   |            |              | solubilizer for high acid value<br>styrene acrylic polymers for<br>use in ink applications;  |  |
|            |   |            |              | neutralization, solubilization<br>and stability in commercial<br>waterborne and solvent borne<br>coatings and varnishes used<br>for wood, metal, compositites                        |  |
|            |   |            |              | and other substrates   |  |
| P-20-0051A | 5 | 05/09/2021 | СВІ          | (S) Curing agent for<br>Industrial epoxy coating<br>systems  | (S) 1,8-Octanediamine, 4-(aminomethyl)-, N-benzyl derivs.          |
| P-20-0148A | 8 | 05/03/2021 | Solugen Inc. | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                           |
| P-20-0149A | 8 | 05/03/2021 | Solugen Inc. | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                           |
| P-20-0150A | 8 | 05/03/2021 | Solugen Inc. | (G) Additive for consumer,<br>industrial, and commercial<br>uses.  | (G) Hydroxyalkanoic acid, salt, oxidized                           |
| P-20-0175A | 4 | 05/24/2021 | CBI          | <ul> <li>(G) Proprietary Additive for</li> <li>WB&amp;P Formulation,</li> <li>(G)Additive for Slats &amp; CR</li> <li>Formulation (G)Additive for</li> <li>PI Formulation</li> </ul> | (G) acid N-[4-(4-diarylalkyl]-, carbopolycyclic alkenyl, methyl e  |
| P-20-0176A | 4 | 05/24/2021 | СВІ          | <ul><li>(G) Proprietary Additive for</li><li>WB&amp;P Formulation,</li><li>(G)Additive for Slats &amp; CR</li><li>Formulation (G)Additive for</li><li>PI Formulation</li></ul>       | (G) acid N-[4-(4-diarylalkyl]-, carbopolycyclic alkenyl, methyl es |

| P-20-0177A | 4 | 05/24/2021 | CBI                         | <ul> <li>(G) Proprietary Additive for</li> <li>WB&amp;P Formulation,</li> <li>(G)Additive for Slats &amp; CR</li> <li>Formulation (G)Additive for</li> <li>PI Formulation</li> </ul> | (G) carbopolycyclic alkenyl, 2-carboxylic acid, 2-[[[4-(4-diarylalkyl)]carbonyl]oxy]ethyl ester  |
|------------|---|------------|-----------------------------|--|--|
| P-20-0178A | 4 | 05/24/2021 | CBI                         | <ul><li>(G) Proprietary Additive for<br/>WB&amp;P Formulation,</li><li>(G)Additive for Slats &amp; CR<br/>Formulation (G)Additive for<br/>PI Formulation</li></ul>                   | (G) carbopolycyclic alkenyl, 2-carboxylic acid,<br>2-[[[(diarylalkyl)]carbonyl]oxy]ethyl ester   |
| P-21-0009  | 4 | 05/11/2021 | Crison, LLC                 | (S) Mining collector,(S)<br>Asphalt emuslifier   | (S) Poly[oxy(methyl-1,2-ethanediyl)], alpha-(3-aminopropyl)-om<br>(1-methylethoxy)-;(S) Poly[oxy(methyl-1,2-ethanediyl)], alpha-(3-<br>aminopropyl)-omega-butoxy-;                                       |
| P-21-0015A | 3 | 05/12/2021 | Designer<br>Molecules, Inc. | (S) As a raw material in a<br>Temporary Bonding<br>Adhesive formulation.   | (S) Amines, C36-alkylenedi-, polymers with 5,5'-[(1-<br>methylethylidene)bis(4,1-phenyleneoxy)]bis[1,3-isobenzofurandi<br>and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-<br>aminophenol] |
| P-21-0071  | 4 | 05/11/2021 | Crison, LLC                 | (S) Mining Collector for sulfide ores  | (S) Poly[oxy(methyl-1,2-ethandiyl)], alpha-(dithiocarboxy)-omeg<br>methoxy)-, sodium salt  |
| P-21-0071A | 5 | 05/17/2021 | Crison, LLC                 | (S) Mining Collector for sulfide ores  | (S) Poly[oxy(methyl-1,2-ethandiyl)], alpha-(dithiocarboxy)-omeg<br>methylethoxy)-, sodium salt (1:1)   |
| P-21-0071A | 6 | 05/17/2021 | Crison, LLC                 | (S) Mining Collector for sulfide ores  | (S) Poly[oxy(methyl-1,2-ethandiyl)], alpha-(dithiocarboxy)-omeg<br>methylethoxy)-, sodium salt (1:1)   |
| P-21-0072  | 4 | 05/11/2021 | Crison, LLC                 | (S) Mining Collector for sulfide ores  | (S) Poly[oxy(methyl-1,2-ethandiyl)], alpha-(dithiocarboxy)-omeg<br>butoxy-, sodium salt  |
| P-21-0072A | 5 | 05/17/2021 | Crison, LLC                 | (S) Mining Collector for sulfide ores  | (S) Poly[oxy(methyl-1,2-ethandiyl)], alpha-(dithiocarboxy)-omeg<br>butoxy-, sodium salt  |
| P-21-0072A | 6 | 05/17/2021 | Crison, LLC                 | (S) Mining Collector for sulfide ores  | (S) Poly[oxy(methyl-1,2-ethandiyl)], alpha-(dithiocarboxy)-omeg<br>butoxy-, sodium salt  |
| P-21-0096  | 4 | 05/17/2021 | CBI                         | (G) Component in thermoset composites.   | (G) Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-<br>methylethylidene)bis(4,1-<br>phenyleneoxymethylene)]bis[heteromonocycle], bis(2-methyl-<br>2-propenoate)                            |
| P-21-0099  | 3 | 05/06/2021 | CBI                         | (S) Reactive dye is designed<br>for dyeing formulation of  | (G) Aromaticsulfonic acid, 2,2'-[(2,4-diamino-1,3- aromatic)bis(2<br>diazenediyl)]bis[5-[[2-(sulfooxy)alkyl]sulfonyl]-, alkali metal;(G  |

|            |   |            |                                   | textile materials and dyeing on cellulose fiber. | Aromaticsulfonic acid, 2,2'-[(4,6-diamino-1,3- aromatic)bis(2,1-<br>diazenediyl)]bis[5-[[2-(sulfooxy)alkyl]sulfonyl]-, alkali metal; |
|------------|---|------------|-----------------------------------|--|--|
| P-21-0103  | 3 | 05/06/2021 | СВІ                               | (S) developer for thermal paper and film         | (S) Urea, N-[3-[[(4-methylphenyl)sulfonyl]oxy]phenyl]-N'-pheny   |
| P-21-0104A | 4 | 05/05/2021 | CBI                               | (G) lubricant                                    | (G) Alkanedioic acid, di branched alkyl esters   |
| P-21-0104A | 5 | 05/14/2021 | CBI                               | (G) lubricant                                    | (G) Alkanedioic acid, di branched alkyl esters   |
| P-21-0105A | 4 | 05/05/2021 | CBI                               | (G) lubricant                                    | (G) Alkanedioic acid, di C11-14 isoalkyl esters  |
| P-21-0105A | 5 | 05/14/2021 | CBI                               | (G) lubricant                                    | (G) Alkanedioic acid, di C11-14 isoalkyl esters  |
| P-21-0109A | 3 | 05/12/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, light alkylate   |
| P-21-0109A | 4 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, light alkylate   |
| P-21-0110A | 3 | 05/12/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, light catalytic cracked  |
| P-21-0110A | 4 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, light catalytic cracked  |
| P-21-0111A | 3 | 05/12/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, heavy catalytic cracked  |
| P-21-0111A | 4 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, heavy catalytic cracked  |
| P-21-0112A | 3 | 05/12/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, light hydrocracked   |
| P-21-0112A | 4 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels                           | (G) Hydrocarbons linear and branched, light hydrocracked   |

| P-21-0113A | 3 | 05/12/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, isomerization   |
|------------|---|------------|-----------------------------------|---|---|
| P-21-0113A | 4 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, isomerization   |
| P-21-0114A | 3 | 05/12/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, heavy catalytic reformed  |
| P-21-0114A | 4 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, heavy catalytic reformed  |
| P-21-0116A | 3 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, hydrotreated light  |
| P-21-0117A | 3 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, hydrotreated light paraffu  |
| P-21-0118A | 3 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (S) Chemical Intermediate   | (G) Hydrocarbons linear and branched, light catalytic cracked   |
| P-21-0119A | 3 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (S) Chemical Intermediate   | (G) Hydrocarbons linear and branched, heavy hydrocracked  |
| P-21-0120  | 2 | 05/05/2021 | Allnex USA<br>Inc.                | (S) Pigment dispersant for<br>pigment concentrates and<br>direct resin grind<br>applications. | (G) 2-Alkenoic acid, 2-alkyl-, 2-hydroxyalkyl ester, homopolyme<br>ester with N-[3-[(carboxyamino)alkyl]-3,5,5-<br>trialkylcycloalkyl]carbamic acid mono [2-(2-alkoxyethoxy)alkyl]<br>ester, N-[3-[(carboxyamino)alkyl]-3,5,5- trialkylcycloalkyl] carba<br>acid mono [2-(dialkylamino) alkyl] ester and 2-oxepanone polym<br>with tetrahydro- 2H-pyran-2-one 2-alkylhexyl ester<br>N-[3-(carboxyamino)alkyl phenyl] carbamate, 1,1-dialkylpropyl 2<br>alkylhexaneperoxoate - initiated |
| P-21-0121  | 2 | 05/05/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, heavy catalytic cracked   |

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| P-21-0121A | 3 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, heavy catalytic cracked   |
|------------|---|------------|-----------------------------------|---|---|
| P-21-0122A | 2 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (S) Chemical Intermediate   | (G) Hydrocarbons linear and branched, heavy hydrocracked/td>  |
| P-21-0123A | 2 | 05/18/2021 | Chevron EL<br>Segundo<br>Refinery | (G) Component in fuels  | (G) Hydrocarbons linear and branched, light hydrocracked  |
| P-21-0125A | 2 | 05/05/2021 | Shin-Etsu<br>Microsi              | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing   | (S) Nonane, branched  |
| P-21-0126  | 1 | 04/30/2021 | Allnex USA<br>Inc.                |   | (G) Substituted heteromonocycle, polymer with haloalkyl substitu<br>heteromonocycle, dialkyl-alkanediamine,<br>(alkylalkylidene)bis[hydroxy-carbomonocycle] and oxybis[alkan-<br>reaction products with metal oxide and dialkanolamine      |
| P-21-0129  | 1 | 05/04/2021 | CBI                               | (G) Complexing agent  | (G) Alkyl glycine dicarboxylic acid sodium salt   |
| P-21-0130  | 1 | 05/04/2021 | СВІ                               | (G) Photolithography  | (G) Sulfonium, tricarbocyclic-, 2-[3,5-bis(haloalkyl)phenyl]-alph<br>alpha, beta, beta-polyhalopolyhydro-2-alkyl-4,7-alkano-1,3-<br>heteropolycyclic-5-alkanesulfonate (1:1)  |
| P-21-0131  | 1 | 05/10/2021 | СВІ                               | (G) Photolithography  | (G) Sulfonium, tricarbocyclic-, 2-(4-alkoxyhalocarbomonocyclic)<br>alpha, alpha, beta, beta-polyhalopolyhydro-4,7-methano-1,3-<br>heteropolycyclic-5-alkanesulfonate (1:1)  |
| P-21-0134  | 1 | 05/19/2021 | СВІ                               | (S) Photo initiator for<br>adhesives,(S) photo initiator                              | (S) Methanone, 1,1'-(diethylgermylene)bis[1-(4-methoxyphenyl)-  |
| P-21-0135  | 1 | 05/20/2021 | Allnex USA<br>Inc.                | (S) The PMN substance is a polymer in a coating additive for anti-scratch resistance. | (G) Alkenoic acid, allyl-, (dialkylamino)alkyl ester, polymer with<br>dialkyl-alkylene-alkanediyl)bis[carbomoncycle], alkylalkyl alkyl-<br>alkenoate and alkanediol mono(2-alkyl-alkenoate), diazenediyl)b<br>alkylalkanenitrile]-initiated |

| P-21-0136  | 2  | 05/25/2021    | Allnex USA<br>Inc.            | (S) Coating additive for scratch resistance.  | (G) Silica, alkoxy-modified   |
|------------|----|---------------|-------------------------------|---|---|
| SN-21-0007 | 1  | 05/11/2021    | Evonik<br>Corporation         | (S) Absorption Agent,(S)<br>Laboratory Reagent  | (S) 1,3-Propanediamine, N1,N1-dimethyl-N3-(2,2,6,6-tetramethy<br>4-piperidinyl)-  |
| SN-21-0008 | 2  | 05/25/2021    | CBI                           | (G) Refrigerant   | (S) 2-Butene, 1,1,1,4,4,4-hexafluoro-, (2Z)-                                      |
| SN-21-0009 | 2  | 05/25/2021    | CBI                           | (G) Refrigerant   | (S) 2-Butene, 1,1,1,4,4,4-hexafluoro-, (2E)-                                      |
| J-21-0010  | 2  | 02/11/2021    | Danisco US,<br>Inc.           | (G) Production of a chemical substance  | (G) Genetically modified microorganism for the production of a chemical substance |
| J-21-0011  | 2  | 05/11/2021    | Lesaffre Yeast<br>Corporation | (G) Ethanol production  | (G)(G) Saccharomyces cerevisiae fermenting C5 sugars, modifie                     |
| J-21-0011A | 3  | 06/22/2021    | Lesaffre Yeast<br>Corporation | (G) Ethanol production  | (G)(G) Saccharomyces cerevisiae fermenting C5 sugars, modifie                     |
|            |    |               |                               | (S) Intermediate: Monomer<br>used as a chemical<br>intermediate in the<br>manufacture of polymers.  |   |
|            |    |               |                               | (G) Coatings: Monomer used<br>in the manufacture of<br>industrial coatings (e.g.,<br>protective floor coatings).  |   |
| P-18-0293A | 13 | 13 06/23/2021 | 021 Sirrus, Inc.              | (G) Adhesives: Monomer<br>used in the manufacture<br>(formulation) of adhesives<br>(e.g., reactive, industrial<br>structural adhesives or<br>lamination). Adhesives are<br>applied from a liquid form as<br>a bead or film and are applied<br>via static mixer, roller, brush,<br>roll coater, or squeegee. | (S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester                            |
| P-18-0294A | 13 | 06/23/2021    | Sirrus, Inc.                  | (S) Intermediate: Monomer<br>used as a chemical<br>intermediate in the<br>manufacture of polymers.  | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester                       |

|            |    |            |   | (G) Coatings: Monomer used<br>in the manufacture of<br>industrial coatings (e.g.,<br>protective floor coatings.  |   |
|------------|----|------------|---|--|---|
|            |    |            |   | (G) Adhesives: Monomer<br>used in the manufacture<br>(formulation) of adhesives or<br>lamination. Adhesives are<br>applied from a liquid as a<br>bead or film and are applied<br>via static mixer, roller, brush,<br>roll coater, or squeegee. |   |
| P-20-0005A | 6  | 05/28/2021 | RMC<br>Advanced<br>Technologies<br>Inc. | (G) Additive for plastics and resins   | (G) modified graphene   |
| P-20-0010A | 13 | 06/09/2021 | СВІ                                     | (G) Polymerization auxiliary   | (G) Carboxylic acid, reaction products with metal hydroxide, inorganic dioxide and metal                                  |
| P-20-0077A | 7  | 06/01/2021 | СВІ                                     | (S) UV Curing Agent for use in Inks and Coatings   | (G) 1-(dialkyl-diphenylene alkane)-2-alkyl-2-hydrooxazine-<br>1-alkylketone;  |
| P-21-0005A | 5  | 06/02/2021 | Evonik<br>Corporation                   | (S) Polymeric additive in gear<br>oils   | (G) Carbonmonocyclic alkene polymer with alkyl alkenoate, alky alkenoate, alkyl alkenoate and polyalkyldiene alkenoate.   |
| P-21-0020A | 4  | 06/03/2021 | Allnex USA<br>Inc.                      | (S) Modifier for hardness<br>development in paint<br>formulations for metal<br>applications.   | (G) Alkanedioic acid, dialkyl ester, polymer with dialkyl-alkaned alkyl(substituted alkyl)-alkanediol and heteropolycycle |
| P-21-0077A | 2  | 06/02/2021 | CBI                                     | (G) battery additive   | (G) Alkylene Sulfate  |
| P-21-0077A | 3  | 06/08/2021 | CBI                                     | (G) battery additive   | (G) Alkylene Sulfate  |
| P-21-0085A | 3  | 06/21/2021 | СВІ                                     | (G) Used as an additive in the manufacture of tires to improve performance.  | (S) 1-Propanethiol, 3-(triethoxysilyl)-, reaction products with polybutadiene   |
| P-21-0133  | 2  | 06/29/2021 | CBI                                     | (S) Chemical Intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by ora<br>acid-producing organism, modified                    |

| P-21-0138  | 2 | 06/29/2021 | LG Energy<br>Solution<br>Michigan Inc | (S) Electrode material for use<br>in the manufacture of<br>batteries.    | (G) Lithium metal oxide  |
|------------|---|------------|---------------------------------------|--|--|
| P-21-0139  | 1 | 05/28/2021 | Solvay<br>Chemicals Inc               | (S) Stationary Energy Storage  | (S) Methanesulfonamide,1,1,1-trifluoro-<br>N-[(trifluoromethyl)sulfonyl]-, sodium salt (1:1)   |
| P-21-0140  | 1 | 05/28/2021 | CHS Inc.                              | (G) Raw material for<br>Viscosity Modifier                               | (S) Soybean oil, oleic acid-high, epoxidized   |
| P-21-0141  | 2 | 06/08/2021 | Valero Energy<br>Corporation          | (S) Transportation Fuel  | (S) Alkanes, C4-8 - Branched and Linear  |
| P-21-0141A | 3 | 06/14/2021 | Valero Energy<br>Corporation          | (S) Transportation Fuel  | (S) Alkanes, C4-8 - Branched and Linear  |
| P-21-0141A | 4 | 06/23/2021 | Valero Energy<br>Corporation          | (S) Transportation Fuel  | (S) Alkanes, C4-8 - Branched and Linear  |
| P-21-0142  | 2 | 06/04/2021 | СВІ                                   | (S) Resin/binder in paint<br>formulations for industrial<br>applications | (G) Organic acid dimethyl ester, polymer with mixed alkanediols<br>5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane,<br>N-(trimethoxysilylalkyl)alkanamine blocked |
| P-21-0143  | 1 | 06/07/2021 | СВІ                                   | (G) Coating ingredient,<br>Adhesive ingredient                           | (G) Aliphatic Diisocyanate, homopolymer, aliphatic alcohol blocl   |
| P-21-0143A | 2 | 06/18/2021 | СВІ                                   | (G) Coating ingredient,<br>Adhesive ingredient                           | (G) Aliphatic Diisocyanate, homopolymer, aliphatic alcohol bloc  |
| P-21-0144  | 1 | 06/07/2021 | Chevron                               | (G) Gasoline   | (G) Naphtha, heavy catalytic cracked   |
| P-21-0145  | 1 | 06/07/2021 | Chevron                               | (G) Gasoline   | (G) Naphtha, heavy alkylate  |
| P-21-0146  | 1 | 06/07/2021 | Chevron                               | (G) Gasoline   | (G) Naphtha, full range alkylate, butane-contg.  |
| P-21-0147  | 1 | 06/07/2021 | Chevron                               | (G) Gasoline   | (G) Naphtha, hydrotreated heavy  |
| P-21-0148  | 1 | 06/07/2021 | Chevron                               | (G) Gasoline   | (G) Naphtha, light catalytic cracked   |
| P-21-0149  | 1 | 06/07/2021 | Chevron                               | (G) Aviation gasoline  | (G) Naphtha, light alkylate  |
| P-21-0150  | 1 | 06/07/2021 | Chevron                               | (G) Gasoline   | (G) Naphtha, hydrotreated light  |
| P-21-0151  | 1 | 06/08/2021 | СВІ                                   | (G) Polyurethane applications.   | (G) Epoxidized Vegetable oil, polymer with bisphenol A, aryl gly ether, epichlorohydrin, polyethylene glycol and trimethylolpropar   |
| P-21-0152  | 3 | 06/14/2021 | Chevron                               | (G) Marine fuel  | (G) Clarified oils, catalytic cracked  |
| P-21-0153  | 3 | 06/14/2021 | Chevron                               | (G) Chemical intermediate  | (G) Distillates, hydroteated heavy   |
| P-21-0154  | 3 | 06/14/2021 | Chevron                               | (G) Chemical intermediate  | (G) Gas Oils hydrotreated vacuum   |
| P-21-0155  | 1 | 06/08/2021 | Chevron                               | (G) Diesel fuel  | (G) Distillates, light catalytic cracked   |

| P-21-0156  | 1 | 06/08/2021 | Chevron                            | (G) Jet fuel   | (G) Distillates, clay-treated middle  |
|------------|---|------------|------------------------------------|--|---|
| P-21-0157  | 1 | 06/08/2021 | Chevron                            | (G) diesel fuel  | (G) Distillates, hydrotreated middle  |
| P-21-0158  | 1 | 06/08/2021 | Chevron                            | (G) Jet fuel   | (G) Distillates, hydrotreated light   |
| P-21-0159  | 3 | 06/14/2021 | Chevron                            | (G) chemical intermediate                                | (G) Gases, C3-C4  |
| P-21-0160  | 3 | 06/14/2021 | Chevron                            | (G) chemical intermediate                                | (G) Gases, C4-rich  |
| P-21-0161  | 3 | 06/14/2021 | Chevron                            | (G) chemical intermediate                                | (G) Gases, catalytic cracking   |
| P-21-0162  | 3 | 06/14/2021 | Chevron                            | (G) chemical intermediate                                | (G) Residues, butane splitter bottoms   |
| P-21-0163  | 3 | 06/14/2021 | Chevron                            | (G) chemical intermediate                                | (G) Tail gas, saturate gas plant mixed stream, C4-rich  |
| P-21-0164  | 1 | 06/09/2021 | Polysi<br>Research LLC             | (S) Crosslinker for<br>waterproofing                     | (S) 2-Butanone, oxime, reaction products with<br>Trimethoxymethylsilane   |
| P-21-0165  | 1 | 06/09/2021 | Colonial<br>Chemical, Inc          | (S) anionic surfactant in cleaning products.             | (S) DGlucopyranose, oligomeric, C1016alkyl glycosides,<br>3(3,4dicarboxy3hydroxy1oxobutoxy)2hydroxypropyl ethers, sodi<br>salts   |
| P-21-0166  | 1 | 06/11/2021 | Rudolf Venture<br>Chemical         | (S) Textile softening agent.                             | (G) Siloxanes and Silicones, di-Me, [alkylpiperazinium-<br>hydroxyalkoxy]alkyl group-terminated, arylsulfonates (salts)   |
| P-21-0167  | 1 | 06/11/2021 | Rudolf Venture<br>Chemical         | (S) Textile softening agent.                             | (G) Siloxanes and Silicones, di-Me, [alkylpiperazinium-<br>hydroxyalkoxy]alkyl group- and (hydroxyalkoxy)alkyl group-<br>terminated, ethers with polyethylene glycol alkyl ethers, arylsulfc<br>(salts) |
| P-21-0174  | 1 | 06/22/2021 | Marubeni<br>America<br>Corporation | (G) Raw material for polyurethane                        | (G) Carbonic acid, ester, polymer with alkanediol (C=4,5)   |
| P-21-0175  | 1 | 06/22/2021 | Marubeni<br>America<br>Corporation | (G) Raw material for polyurethane                        | (G) Carbonic acid, ester, polymer with alkanediol (C=4,10)  |
| P-21-0176  | 2 | 06/29/2021 | СВІ                                | (G) component in plastics                                | (G) Alkane dioic acid, bis (poly aromatic triazine) alkanoic ether phenoxy ester  |
| SN-21-0010 | 1 | 06/18/2021 | СВІ                                | (G) Additive used in coatings                            | (G) 2-Oxepanone, reaction products with alkylenediamine-<br>alkyleneimine polymer, 2-[[(2-alkyl)oxy]alkyl]oxirane and tetrah<br>2H-pyran-2-one  |
| J-21-0019A | 4 | 07/12/2021 | СВІ                                | (G) Production of DNA for use in internal manufacturing. | (G) Strain of Escherichia coli modified with genetically-stable, plasmid-borne DNA for the production of plasmid-borne DNA  |
| P-19-0160A | 4 | 07/21/2021 | СВІ                                | (S) Component of a UV curable printing ink               | (G) Alkanesulfonic acid, 2-[(2-aminoethyl)heteroatom-substituter sodium salt (1:1), polymer with alpha-[2,2-bis(hydroxymethyl)bu  |

|            |    |            |                                    |   | omega-methoxypoly(oxy-1,2-ethanediyl) and 1,1'-methylenebis[ <sup>4</sup> isocyanatocyclohexane], acrylic acid-dipenthaerythritol reaction products- and polypropylene glycol ether with pentaerythritol (4: triacrylate-blocked |
|------------|----|------------|------------------------------------|---|--|
| P-19-0165A | 5  | 07/06/2021 | Arboris, LLC                       | (G) Plasticizer in rubber,<br>Additive for asphalt                | (G) Tall oil pitch, fraction, sterol-low   |
| P-20-0071A | 10 | 06/30/2021 | СВІ                                | (G) Colorant  | (G) Salt of 2-Naphthalenesulfonic acid, hydroxy [(methoxy-meth 4-sulfophenyl)diazenyl]   |
| P-20-0078A | 8  | 06/29/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                        | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine alkyldioate alkyldioate (1:2:1:1)   |
| P-20-0079A | 8  | 06/29/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                        | (G) Dicarboxylic acid, compd. with aminoalkyl-alkyldiamine (3:2  |
| P-20-0080A | 11 | 06/29/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                        | (G) Alkyldiamine, aminoalkyl-, hydrochloride (1:3)   |
| P-20-0081A | 11 | 06/29/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                        | (G) Carboxylic acid, compd. with aminoalkyl-alkyldiamine (3:1)   |
| P-20-0082A | 11 | 06/29/2021 | Ascend<br>Performance<br>Materials | (G) Stabilizer for industrial applications                        | (G) Alkyldiamine, aminoalkyl-, carboxylate (1:3)   |
| P-20-0148A | 9  | 07/22/2021 | Solugen Inc                        | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized   |
| P-20-0149A | 9  | 07/22/2021 | Solugen Inc                        | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized   |
| P-20-0150A | 9  | 07/22/2021 | Solugen Inc                        | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized   |
| P-20-0151A | 9  | 07/22/2021 | Solugen Inc                        | (G) Additive for consumer,<br>industrial, and commercial<br>uses. | (G) Hydroxyalkanoic acid, salt, oxidized   |

| P-20-0175A | 5 | 07/16/2021 | CBI                               | (G) Proprietary Additive for<br>WB&P, Slats & CR, PI<br>Formulation. | (G) acid N-[4-(4-diarylalkyl]-, carbopolycyclic alkenyl, methyl es                                |
|------------|---|------------|-----------------------------------|--|---|
| P-20-0176A | 5 | 07/16/2021 | CBI                               | (G) Proprietary Additive for<br>WB&P, Slats & CR, PI<br>Formulation. | (G) acid N-(diarylalkyl)-, carbopolycyclic alkenyl, methyl ester                                  |
| P-20-0177A | 5 | 07/16/2021 | СВІ                               | (G) Proprietary Additive for<br>WB&P, Slats & CR, PI<br>Formulation. | (G) carbopolycyclic alkenyl, 2-carboxylic acid, 2-[ [ [4-(4-diarylalkyl)]carbonyl]oxy]ethyl ester |
| P-20-0178A | 5 | 07/16/2021 | СВІ                               | (G) Proprietary Additive for<br>WB&P, Slats & CR, PI<br>Formulation. | (G) carbopolycyclic alkenyl, 2-carboxylic acid, 2-[ [<br>[(diarylalkyl)]carbonyl]oxy]ethyl ester  |
| P-21-0049A | 2 | 07/16/2021 | CBI                               | (G) Monomer  | (G) Alkanoic acid, polyhalo-(halo-oxo-alkenyl)oxyalkyl ester                                      |
| P-21-0050A | 2 | 07/16/2021 | CBI                               | (G) Monomer  | (G) Alkenoic acid, halo-polylhaloalkyl ester  |
| P-21-0109A | 5 | 06/30/2021 | Chevron EL<br>Segundo<br>refinery | (G) Component in fuels   | (G) Hydrocarbons linear and branched, light alkylate  |
| P-21-0110A | 5 | 06/30/2021 | Chevron EL<br>Segundo<br>refinery | (G) Component in fuels   | (G) Hydrocarbons linear and branched, light catalytic cracked                                     |
| P-21-0111A | 5 | 06/30/2021 | Chevron EL<br>Segundo<br>refinery | (G) Component in fuels   | (G) Hydrocarbons linear and branched, heavy catalytic cracked                                     |
| P-21-0112A | 5 | 06/30/2021 | Chevron EL<br>Segundo<br>refinery | (G) Component in fuels   | (G) Hydrocarbons linear and branched, light hydrocracked  |
| P-21-0113A | 5 | 06/30/2021 | Chevron EL<br>Segundo<br>refinery | (G) Component in fuels   | (G) Hydrocarbons linear and branched, isomerization   |
| P-21-0114A | 5 | 06/30/2021 | Chevron EL<br>Segundo<br>refinery | (G) Component in fuels   | (G) Hydrocarbons linear and branched, heavy catalytic reformed                                    |
| P-21-0133A | 4 | 07/14/2021 | CBI                               | (S) Chemical Intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by oracid-producing organism, modified |
| P-21-0144A | 2 | 07/19/2021 | Chevron                           | (G) Gasoline   | (G) Naphtha, heavy catalytic cracked  |

| P-21-0145A | 2 | 07/19/2021 | Chevron                                | (G) Gasoline  | (G) Naphtha, heavy alkylate   |
|------------|---|------------|--|---|---|
| P-21-0146A | 2 | 07/19/2021 | Chevron                                | (G) Gasoline  | (G) Naphtha, full range alkylate, butane-contg.   |
| P-21-0147A | 2 | 07/19/2021 | Chevron                                | (G) Gasoline  | (G) Naphtha, hydrotreated heavy   |
| P-21-0148A | 3 | 07/22/2021 | Chevron                                | (G) Gasoline  | (G) Naphtha, light catalytic cracked  |
| P-21-0149A | 3 | 07/22/2021 | Chevron                                | (G) Aviation gasoline   | (G) Naphtha, light alkylate   |
| P-21-0150A | 3 | 07/22/2021 | Chevron                                | (G) Gasoline  | (G) Naphtha, hydrotreated light   |
| P-21-0152A | 4 | 07/22/2021 | Chevron                                | (G) Marine fuel   | (G) Clarified oils, catalytic cracked   |
| P-21-0153A | 4 | 07/22/2021 | Chevron                                | (G) Chemical intermediate   | (G) Distillates, hydroteated heavy  |
| P-21-0154A | 4 | 07/22/2021 | Chevron                                | (G) Chemical intermediate   | (G) Gas Oils hydrotreated vacuum  |
| P-21-0155A | 3 | 07/22/2021 | Chevron                                | (G) Diesel fuel   | (G) Distillates, light catalytic cracked  |
| P-21-0156A | 3 | 07/22/2021 | Chevron                                | (G) Jet fuel  | (G) Distillates, clay-treated middle  |
| P-21-0157A | 3 | 07/22/2021 | Chevron                                | (G) diesel fuel   | (G) Distillates, hydrotreated middle  |
| P-21-0158A | 3 | 07/22/2021 | Chevron                                | (G) jet fuel  | (G) Distillates, hydrotreated light   |
| P-21-0159A | 4 | 07/22/2021 | Chevron                                | (G) chemical intermediate   | (G) Gases, C3-C4  |
| P-21-0160A | 4 | 07/22/2021 | Chevron                                | (G) chemical intermediate   | (G) Gases, C4-rich  |
| P-21-0161A | 4 | 07/22/2021 | Chevron                                | (G) chemical intermediate   | (G) Gases, catalytic cracking   |
| P-21-0162A | 4 | 07/22/2021 | Chevron                                | (G) chemical intermediate   | (G) Residues, butane splitter bottoms   |
| P-21-0163A | 4 | 07/22/2021 | Chevron                                | (G) chemical intermediate   | (G) Tail gas, saturate gas plant mixed stream, C4-rich  |
| P-21-0168A | 1 | 06/15/2021 | Epson<br>America, Inc.                 | (G) Colorant  | (G) Metal, [heteropolycyclic]-, [ [<br>[(hydroxyalkyl)amino]sulfonyl]alkyl]sulfonyl(sulfoalkyl)sulfony<br>derivs., ammonium sodium salts                                |
| P-21-0170  | 3 | 07/21/2021 | Oxford<br>Biomedical<br>Research, Inc. | (G) This dye changes from<br>dark blue with new frying oil,<br>to light yellow with used/bad<br>frying oil. | (G) 2,6-Bis(dialkyl)-4-[2-(1-alkyl-4(1H)-pyridinylidene)alkyliden<br>2,5-cycloalkyladien-1-one  |
| P-21-0171  | 5 | 07/14/2021 | CBI                                    | (S) surfactant  | (G) Oxirane, methyl-, polymer with oxirane, alkyl ether carboxyl Alkyl ether acetate,   |
| P-21-0173  | 2 | 07/07/2021 | ICM Products<br>Inc.                   | (G) Additive for finishing of textiles/fabrics  | (G) Siloxanes and silicones polyether, polymer with aliphatic isocyanate, 2-dimethylaminoethanol and polyglycol ether   |
| P-21-0177  | 2 | 07/12/2021 | СВІ                                    | (G) Photolithography  | (G) Sulfonium, monocarbocyclicbisarylpolyhaloalkyl, alpha, alph<br>beta, beta-polyhalopolyhydro-2,2-diaryl-4,7-methano-1,3-<br>heteropolycyclic-5-alkanesulfonate (1:1) |

| P-21-0180  | 2 | 07/01/2021 | Shin-etsu<br>microsi               | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing                                    | (G) Sulfonium, (halocarbomonocycle)diphenyl-, salt with<br>1-heterosubstituted-2-methylalkyl trihalobenzoate (1:1) |
|------------|---|------------|------------------------------------|--|--|
| P-21-0182  | 1 | 06/29/2021 | СВІ                                | (S) chemical intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by or<br>acid-producing organism                        |
| P-21-0182A | 2 | 07/14/2021 | СВІ                                | (S) chemical intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by or <sub>i</sub> acid-producing organism              |
| P-21-0183  | 1 | 06/29/2021 | СВІ                                | (S) chemical intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by or <sub>i</sub> acidproducing organism, modified     |
| P-21-0183A | 2 | 07/14/2021 | СВІ                                | (S) chemical intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by or<br>acidproducing organism, modified               |
| P-21-0184  | 2 | 07/14/2021 | СВІ                                | (G) Asphalt Emulsion<br>Applications   | (S) Fatty acids, Soya, reaction products with ammonia-ethanolam reaction by-products                               |
| P-21-0185  | 4 | 07/07/2021 | СВІ                                | (S) The notified substance<br>will be used as a fragrance<br>ingredient, being blended<br>(mixed) with other fragrance | (G) Ethyl Cyclohexenyl Propionate;(G) Ethyl Cyclohexenyl<br>Propionate;  |
| P-21-0186  | 2 | 07/20/2021 | Tetramer<br>Technologies,<br>LLC   | (G) component in lubricants  | (G) glycerin, alkoxylated alkyl acid esters  |
| P-21-0187  | 2 | 07/20/2021 | Tetramer<br>Technologies,<br>LLC   | (G) component in lubricants  | (G) glycerin, alkoxylated alkyl acid esters  |
| P-21-0188  | 1 | 07/12/2021 | СВІ                                | (S) Polymer intermediate   | (G) 2-Propenoic acid, 2-methyl-, polymer with 2-propenoic acid a phosphinate salt, peroxy-initiated                |
| P-21-0189  | 2 | 07/16/2021 | Renewable<br>energy group          | (S) Feedstock used in the<br>production of biomass based<br>diesel.  | (S) Fats and Glyceridic oils, algae  |
| P-21-0190  | 1 | 07/13/2021 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases  | (S) Poly(oxy-1,2-ethanediyl)-alpha-(1-oxohexyl)-omega-[(1-oxohexyl)oxy]-   |
| P-21-0191  | 1 | 07/13/2021 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases  | (S) Fatty acids, C18-unsatd., dimers, hydrogenated, polymers wit polyethylene glycol, dihexanoates                 |

| P-21-0192   | 1  | 07/13/2021 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases                   | (S) Fatty acids, C18-unsatd., dimers, hydrogenated, polymers wit polyethylene glycol, diesters with C8-10 fatty acids   |
|-------------|----|------------|------------------------------------|---|---|
| P-21-0193   | 2  | 07/16/2021 | Santolubes<br>Manufacturing<br>LLC | (S) Synthetic engine, gear<br>and lubricating oils and<br>greases                   | (S) Fatty acids, C8-10, diesters with polyethylene glycol   |
| P-21-0194   | 1  | 07/14/2021 | Rudolf Venture<br>Chemical         | (S) Textile softening agent.  | (G) Siloxanes and Silicones, di-Me,<br>[gluconoylamino)alkyl]dialkylammonio]-hydroxyalkoxy]alkyl gr<br>terminated, (salts)  |
| P-21-0196   | 1  | 07/21/2021 | СВІ                                | (S) Additive for use in battery electrolyte formulations.                           | (G) Oxathiole, oxide  |
| P-21-0197   | 1  | 07/22/2021 | Ultium Cells<br>LLC                | (S) Additive for use in battery electrolyte formulations.                           | (G) Imidazole-carboxylic acid, substituted  |
| P-21-0198   | 1  | 07/22/2021 | H.B. Fuller<br>Company             | (S) Hot melt moisture cure<br>adhesive for the industrial<br>Floor & Door industry. | (G) Reaction product of polyester with alpha-hydro-omega-<br>hydroxypoly(oxy-1,4-butanediyl) and 1,1'-<br>methylenebis[isocyanatobenzene]   |
| SN-21-0005  | 2  | 07/21/2021 | CBI                                | (G) Dielectric Medium   | (S) Propanenitrile, 2,3,3,3-tetrafluoro-2-(trifluoromethyl)-  |
| SN-21-0010A | 2  | 07/06/2021 | СВІ                                | (G) Additive used in coatings   | (G) 2-Oxepanone, reaction products with alkylenediamine-<br>alkyleneimine polymer, 2-[[(2-alkyl)oxy]alkyl]oxirane and tetrah<br>2H-pyran-2-one  |
| SN-21-0011  | 2  | 07/14/2021 | CBI                                | (G) solvent   | (S) 2-Propanol, 1-[bis(2-hydroxyethyl)amino]-   |
| P-18-0289A  | 11 | 08/19/2021 | Guard<br>Products                  | (G) Gas scrubbing landfill deoderizing  | (G) 2-(2(methylcaboxymonocyclic)amino)ethoxy)-alcohol   |
| P-18-0290A  | 11 | 08/19/2021 | Guard<br>Products                  | (G) Gas scrubbing,<br>wastewater deoderizing  | (G) Carbomonocylic-oxazolidine  |
| P-18-0326A  | 11 | 08/03/2021 | СВІ                                | (G) Chemical Intermediate   | (G) Alkanoic acid, alkyl ester, manuf. of, byproducts from, distn. residues   |
| P-20-0058A  | 8  | 08/04/2021 | СВІ                                | (G) Additive for automatic<br>dishwashing; Additive for<br>hard surface cleaner     | (G) Polysaccharide, polymer with unsaturated carboxylic acid and<br>methacryloxyethyltrimethyl ammonium chloride, sodium salt, aci<br>initiated   |
| P-21-0003A  | 4  | 08/30/2021 | СВІ                                | (G) Polymeric film former for coatings  | (G) 4, 4 methylenebis (2, 6 dimethyl phenol) polymer with 2-<br>(chloromethyl) oxirane, 1,4-benzene diol, 2-methyl-2-propenoic a<br>mixed alkyl substituted 2-methyl 2-propenoate, and ethyl<br>2-propenoate, reaction products with 2-(dimthylamino) ethanol |

| P-21-0049A | 3 | 08/06/2021 | CBI          | (G) Monomer  | (G) Alkanoic acid, polyhalo-(halo-oxo-alkenyl)oxyalkyl ester  |
|------------|---|------------|--------------|--|---|
| P-21-0049A | 4 | 08/13/2021 | CBI          | (G) Monomer  | (G) Alkanoic acid, polyhalo-(halo-oxo-alkenyl)oxyalkyl ester  |
| P-21-0050A | 3 | 08/06/2021 | CBI          | (G) Monomer  | (G) Alkenoic acid, halo-polylhaloalkyl ester  |
| P-21-0050A | 4 | 08/13/2021 | CBI          | (G) Monomer  | (G) Alkenoic acid, halo-polylhaloalkyl ester  |
| P-21-0056A | 3 | 08/19/2021 | СВІ          | (G) Component of coatings  | (G) Isocyanic acid, polyalkylenepolyarylene ester, polymer with a hydroxyalkyl-alkanediol, alkoxyalcohol and alkoxylalkoxyalcoho blocked  |
| P-21-0057A | 3 | 08/19/2021 | СВІ          | (G) Component in coatings  | (G) Sulfur based acid, compound with aminoalkylalkyl-<br>aminoalkylalkoxy-polyoxyalkylalkanediyl, polymer with haloalk<br>epoxide and alkylalkylidene-cycloarylalcohol  |
| P-21-0058A | 3 | 08/19/2021 | СВІ          | (G) Component in coatings  | (G) Substituted alkanoic acid, compound with aminoalkylalkyl-<br>aminoalkylalkoxy-polyoxyalkylalkanediyl, polymer with haloalk<br>epoxide and alkylalkylidene-cycloarylalcohol  |
| P-21-0060A | 4 | 08/19/2021 | CBI          | (G) Isolated intermediate  | (G) Bisphenol A epichlorohydrin polymer with alkylpolyalkene-<br>polyarylene-hydroxypolyoxyalkyldiyl reaction products with<br>alkylalkylidene-alkylalkylidene-aminoalkyl-alkanepolyamine and<br>alkylaminoalkanol                                  |
| P-21-0061A | 4 | 08/19/2021 | CBI          | (G) Component in coatings  | (G) Sulfur based acid, compds. with modified bisphenol<br>A-epichlorohydrin-polyalkylene polyol ether with bisphenol A<br>polymer-N-dialkylalkylidene-N-(dialkylalklyidene)aminoalkyl-<br>alkanepolyamine-alkylaminoalkanol reaction products       |
| P-21-0062A | 4 | 08/19/2021 | CBI          | (G) Component in coatings  | (G) Substituted-alkanoic acid, compds. with modified bisphenol<br>A-epichlorohydrin-polyalkylene polyol ether with bisphenol A<br>polymer-N-dialkylalkylidene-N-dialkylalkylideneaminoalkyl-<br>alkanepolyamine-alkylaminoalkanol reaction products |
| P-21-0078A | 3 | 08/25/2021 | Pinova, Inc. | (S) Tackifying additive used<br>in tire manufacture;<br>Tackifying additive used in<br>hot melt adhesive<br>applications (e.g., pressure<br>sensitive adhesives, and<br>graphic art applications such<br>as bookbinding, magazine<br>manufacture, and label<br>making) | (G) Phenol, polymer with alkyl-(alkylalkylenyl)cyclohexene, mix<br>dialkylcyclohexadienes, mixed alkyl-(alkylalkylidene)cyclohexer<br>and 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene   |

| P-21-0098A | 4 | 08/26/2021 | Hubergroup                     | (S) Co-initiator for the curing<br>of UV printing inks   | (G) Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-[2(or<br>3)-[[substituted benzoyl]oxy]hydroxypropoxyl]-, alpha, alpha', al<br>-ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)   |
|------------|---|------------|--------------------------------|--|---|
| P-21-0100A | 2 | 08/17/2021 | ENI Trading &<br>Shipping Inc  | (G) Used as a lubricant and<br>lubricant additive (used in<br>closed systems; non-<br>dispersive use); Lubricant<br>and lubricant additive (used<br>in closed systems; non-<br>dispersive use) | (G) Raffinates (petroleum), vacuum distillate solvent, solvent-<br>dewaxed, hydrotreated  |
| P-21-0168A | 2 | 08/10/2021 | СВІ                            | (G) Colorant   | (G) Metal, [heteropolycyclic]-,<br>[[[(hydroxyalkyl)amino]sulfonyl]alkyl]sulfonyl(sulfoalkyl)sulfon<br>derivs., ammonium sodium salts   |
| P-21-0178  | 2 | 08/19/2021 | СВІ                            | (G) Coating additive   | (G) Bisphenol A, polymer with aminoalkylalkyl-aminoalkylalkyl poly[(oxy-alkyl-alkanepolyol)], haloalkyl-epoxide, epoxy-epoxyalkoxy-poly[(oxy-alkyl-alkanepolyol)], sulfur-based salt  |
| P-21-0179  | 2 | 08/19/2021 | СВІ                            | (G) Coating additive   | (G) Substituted-alkanoic acid, compd. with aminoalkylalkyl-<br>aminoalkylalkyl-poly[(oxy-alkyl-alkanepolyol)] polymer with<br>haloalkyl-epoxide, bisphenol A,epoxy-epoxyalkoxy-poly[(oxy-al<br>alkanepolyol)]   |
| P-21-0199  | 2 | 08/12/2021 | Avery<br>Dennison Mill<br>Hall | (G) Processing aid   | (G) 1,6-Disubstituted hexane  |
| P-21-0199A | 3 | 08/18/2021 | CBI                            | (G) Processing aid   | (G) 1,6-Disubstituted hexane  |
| P-21-0200  | 1 | 08/02/2021 | СВІ                            | (G) Printing additive  | (G) Saturated and unsaturated hydrocarbon waxes, oxidized, poly<br>with alkenoic acid, alkyl alkanoate, alkenedioic acid, polyalkylen<br>glycol ether with substituted carbomonocycle (alkylidene)bis-,<br>polyalkylene glycol ether with substituted carbomonocycle<br>(alkylidene)bis-, substituted carbomonocycle, disubstituted<br>carbomonocycle and substituted heteropolycycle, alkyl peroxide-<br>initiated |
| P-21-0202  | 1 | 08/04/2021 | CBI                            | (G) An ingredient used in the manufacture of photoresist   | (G) Sulfonium, carbomonocycle bis[(trihaloalkyl)carbomonocycl<br>substituted carbomonocyclic ester  |

| P-21-0203  | 3 | 08/10/2021 | СВІ                          | (G) Surfactant will be used in various applications in oil and gas industry.  | WL VL VCOUNTE CONDERCONTE STARMERELLA DOMICOLA_TERMENT   |
|------------|---|------------|------------------------------|---|--|
| P-21-0204  | 1 | 08/12/2021 | СВІ                          | (G) Photolithography  | (G) Sulfonium, bis(3,4-polyhalocarbocyclic)aryl-, alpha, alpha, b<br>beta-polyhalopolyhydro-2,2-diaryl-4,7-methano-1,3-heteropolycy<br>5-alkanesulfonate (1:1)                           |
| P-21-0205  | 1 | 08/13/2021 | СВІ                          | (G) Additive in household consumer products   | (S) Benzene, [2-[(2-methyl-1-undecen-1-yl}oxy]ethyl]-  |
| P-21-0206  | 1 | 08/13/2021 | HollyFrontier<br>Corporation | (G) Component of gasoline   | (G) Alkanes, branched and linear   |
| P-21-0207  | 2 | 08/18/2021 | CBI                          | (G) Emulsifier  | (G) Fatty alcohol ethoxylate, ethercarboxylate Branched and Line<br>Fatty alcohol ethoxylate, ethercarboxylate   |
| P-21-0208  | 1 | 08/17/2021 | СВІ                          | (G) Adhesive for profile<br>wrapping  | (G) Aromatic diacids, polymer with alkyldiacids, alkyldiols,<br>benzofurandione, caprolactone and 1,1'-methylenebis[4-<br>isocyanatobenzene]   |
| P-21-0209  | 1 | 08/17/2021 | СВІ                          | (G) Adhesive for profile<br>wrapping  | (G) Aromatic diacid, polymer with alkyldiacid, alkyldiols,<br>polypropylene glycol, benzofurandione, caprolactone and 1,1'-<br>methylenebis[4-isocyanatobenzene]                         |
| P-21-0210  | 1 | 08/17/2021 | СВІ                          | (G) Adhesive for profile<br>wrapping  | (G) Aromatic diacids, polymer with alkyldiacids, alkyldiols,<br>benzofurandione, polypropylene, alkylhydroxyacid glycolester,<br>caprolactone and 1,1'-methylenebis[4-isocyanatobenzene] |
| SN-21-0006 | 2 | 08/27/2021 | Carbice                      | (S) For heat transfer, heat<br>storage, thermal emission,<br>and general temperature<br>management in heat-<br>generating systems such as<br>electronics; Gap filling or<br>sealing of opposing<br>interfaces; For light<br>absorption properties; To<br>improve mechanical<br>properties or electrical<br>conductiveness of other<br>materials or products | (S) Multiwalled carbon nanotubes grown perpendicularly on an aluminum foil substrate using Fe catalyst.  |

| P-18-0049A | 8 | 09/28/2021 | Solvay<br>Fluorides LLC             | (G) Coating<br>component/processing aid  | (G) Mixed metal halide  |
|------------|---|------------|-------------------------------------|--|---|
| P-18-0128A | 6 | 09/14/2021 | CBI                                 | (G) Surface modifier   | (S) Inulin, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride  |
| P-20-0018A | 4 | 09/24/2021 | CBI                                 | (G) Component in candles   | (G) Fatty acid dimers, polymers with glycerol and triglycerides   |
| P-20-0019A | 4 | 09/24/2021 | CBI                                 | (G) Component in candles   | (G) Fatty acid dimers, polymers with glycerol and triglycerides   |
| P-20-0020A | 4 | 09/24/2021 | CBI                                 | (G) Component in candles   | (G) Fatty acid dimers, polymers with glycerol and triglycerides   |
| P-20-0021A | 4 | 09/24/2021 | CBI                                 | (G) Component in candles   | (G) Fatty acid dimers, polymers with glycerol and fatty acids   |
| P-20-0105A | 5 | 09/02/2021 | Sound<br>Agriculture<br>Company     | (S) To promote microbial<br>activity in the soil (for use on<br>commercial farming<br>operations). | (S) 4H-Pyran-4-one, 3-[(2,5-dihydro-4-methyl-5-oxo-2-furanyl)o<br>2-methyl-   |
| P-21-0016A | 2 | 09/27/2021 | СВІ                                 | (G) Paint additive, Additive<br>in coating formulations,<br>Component in cleaning<br>agents        | (G) Alkanoic acid, dialkyl ester  |
| P-21-0106A | 3 | 09/02/2021 | Eastman<br>Chemical<br>Company, Inc | (S) Chemical additive for<br>production of tire and non-<br>tire rubber products                   | (G) Distillates (petroleum), polymers with branched alkene  |
| P-21-0107A | 3 | 09/02/2021 | Eastman<br>Chemical<br>Company, Inc | (S) Chemical additive for<br>production of tire and non-<br>tire rubber products                   | (G) Distillates (petroleum), polymers with branched alkene, hydrogenated  |
| P-21-0172  | 4 | 08/31/2021 | Silco, Inc.                         | (S) Moisture reactive<br>polymer for use in sealants<br>and coatings                               | (G) Siloxanes and Silicones, di-Me, trimethoxysilyl group termin  |
| P-21-0172A | 5 | 09/30/2021 | Silco, Inc.                         | (S) Moisture reactive<br>polymer for use in sealants<br>and coatings                               | (G) Siloxanes and Silicones, di-Me, trimethoxysilyl group termin  |
| P-21-0178A | 3 | 09/10/2021 | СВІ                                 | (G) Coating additive   | (G) Bisphenol A, polymer with aminoalkylalkyl-aminoalkylalkyl poly[(oxy-alkyl-alkanepolyol)], haloalkyl-epoxide, epoxy-epoxyalkoxy-poly[(oxy-alkyl-alkanepolyol)], sulfur-based salt                          |
| P-21-0179A | 3 | 09/10/2021 | СВІ                                 | (G) Coating additive   | (G) Substituted-alkanoic acid, compd. with aminoalkylalkyl-<br>aminoalkylalkyl-poly[(oxy-alkyl-alkanepolyol)] polymer with<br>haloalkyl-epoxide, bisphenol A,epoxy-epoxyalkoxy-poly[(oxy-al<br>alkanepolyol)] |

| P-21-0181A | 3 | 09/02/2021 | CBI                                | (G) Color developer   | (G) 1,3-Benzenedicarboxamide, N1,N3-bis(carbomonocyclic)-<br>5-[[(carbomonocyclic)amino]sulfonyl]-  |
|------------|---|------------|------------------------------------|---|---|
| P-21-0190A | 2 | 09/17/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.  | (S) Poly(oxy-1,2-ethanediyl)-alpha-(1-oxohexyl)-omega-[(1-oxohexyl)oxy]-  |
| P-21-0191A | 2 | 09/17/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.  | (S) Fatty acids, C18-unsatd., dimers, hydrogenated, polymers wit polyethylene glycol, dihexanoates  |
| P-21-0192A | 2 | 09/17/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.  | (S) Fatty acids, C18-unsatd., dimers, hydrogenated, polymers wit polyethylene glycol, diesters with C8-10 fatty acids   |
| P-21-0193A | 3 | 09/17/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.  | (S) Fatty acids, C8-10, diesters with polyethylene glycol   |
| P-21-0199A | 4 | 09/22/2021 | CBI                                | (G) Processing aid  | (G) 1,6-Disubstituted hexane  |
| P-21-0201  | 5 | 08/30/2021 | The Lewis<br>Chemical<br>Company   | (S) The intention is for this<br>product to be used as an<br>offset to N,N,N',N',N''-<br>Pentamethyl-N-tallow<br>alkyl1,3-<br>propanediammonium<br>chloride (CAS#68607-29-4)<br>in a cationic latex asphalt<br>emulsion formulation | (S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentam<br>N3-tetradecyl-, chloride (1:2); 1,3-Propanediaminium, N-hexadec<br>2-hydroxy-N,N,N',N',N'-pentamethyl-, dichloride (2CI); 1,3-<br>Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentamethyl-N<br>octadecyl-, chloride (1:2); 1,3-Propanediaminium, 2-hydroxy-<br>N1,N1,N1,N3,N3-pentamethyl-N3-9-octadecen-1-yl, chloride (1: |
| P-21-0206A | 2 | 09/10/2021 | HollyFrontier<br>Corporation       | (G) Component of gasoline.  | (G) Alkanes, branched and linear  |
| P-21-0211  | 3 | 09/01/2021 | CBI                                | (G) process aid   | (G) Polycyclic Dioxolane  |

| P-21-0212   | 2 | 09/06/2021 | Orient<br>Corporation of<br>America | (S) Luminescent material for security ink.   | (G) Europium, tris[polyfluoro-1-(2-carbopolycyclic)-1,3-<br>butanedionatokappa.O1,.kappa.O3]-           |
|-------------|---|------------|-------------------------------------|--|---|
| P-21-0214   | 1 | 08/31/2021 | ICM Products<br>Inc.                | (G) Textile finishing agent  | (G) Poly(oxy-1,2-ethanediyl), alpha,alpha',alpha"-<br>(trialkylamino)tris[omega-hydroxy-, alkyl (ester) |
| P-21-0215   | 1 | 09/10/2021 | Coventya, Inc.                      | (S) The PMN substance is<br>used in a primarily aqueous<br>alkaline electroplating<br>solution that produces a<br>nominal zinc (Zn) nickel (Ni)<br>alloy deposit on iron bearing<br>substrates. The PMN<br>substance is a secondary<br>brightening additive that is<br>used in instances where the<br>inherent specularity of the<br>plating deposit is<br>unsatisfactory. | (S) Pyridinium, 3-carboxy-1-methyl-, inner salt   |
| P-21-0216   | 1 | 09/17/2021 | CBI                                 | (G) Additive in electrode materials, Additive in plastics  | (G) Multi-walled carbon nanotubes   |
| P-21-0217   | 1 | 09/17/2021 | СВІ                                 | (G) Additive in electrode<br>materials, Component in<br>electrodes, thermoplastics   | (G) Multi-walled carbon nanotubes   |
| SN-21-0003A | 2 | 09/13/2021 | Norquay<br>Technology<br>Inc        | (G) Intermediate   | (S) 1,1'-Biphenyl, 4,4'-dibromo-  |
| SN-21-0008A | 3 | 09/30/2021 | СВІ                                 | (G) Test media, Specialty<br>fluid, Clean agent system, (S)<br>Heat transfer system, Foam<br>expansion agent   | (S) 2-Butene, 1,1,1,4,4,4-hexafluoro-, (2Z)-  |
| SN-21-0009A | 3 | 09/30/2021 | СВІ                                 | (G) Not Applicable;<br>Chemical Withdrawn  | (S) 2-Butene, 1,1,1,4,4,4-hexafluoro-, (2E)-  |
| P-18-0273A  | 8 | 10/06/2021 | СВІ                                 | (G) Used in polymer manufacturing.   | (S) 1,4-Cyclohexanedicarboxylic acid, 1,4-bis(2-ethylhexyl) este  |

| P-21-0137  | 5 | 10/22/2021 | Lamberti USA<br>Inc.             | (G) Industrial Additive   | (G) Triazine-trione, tris(isocyanatoalkyl)-, polymer with substitut<br>diisocyanato alkylcarbomonocycle, hydro-<br>hydroxypoly(oxyalkanediyl)and hydro-hydroxypoly[oxy(alkyl-<br>alkanediyl)], aliphatic alkyl amine-blocked  |
|------------|---|------------|----------------------------------|---|---|
| P-21-0181A | 4 | 10/25/2021 | СВІ                              | (G) Color developer   | (G) 1,3-Benzenedicarboxamide, N1,N3-bis(carbomonocyclic)-<br>5-[[(carbomonocyclic)amino]sulfonyl]-  |
| P-21-0201A | 7 | 10/13/2021 | The Lewis<br>Chemical<br>Company | (S) The intention is for this<br>product to be used as an<br>offset to N,N,N',N',N''-<br>Pentamethyl-N-tallow<br>alkyl1,3-<br>propanediammonium<br>chloride (CAS#68607-29-4)<br>in a cationic latex asphalt<br>emulsion formulation | <ul> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-hydroxy-N1,N1,N1,N1,N3,N3-pentamethyl-N3-tetradecyl-, chloride (1:2);</li> <li>(S) 1,3-Propanediaminium, N-hexadecyl-2-hydroxy-N,N,N',N',N' pentamethyl-, dichloride (2CI);</li> </ul> |
| P-21-0207A | 5 | 10/21/2021 | CBI                              | (G) emulsifier  | (G) Carboxy ether; branched and linear ethercarboxylate;  |
| P-21-0211A | 4 | 10/01/2021 | CBI                              | (G) process aid   | (G) Polycyclic Dioxolane  |
| P-21-0211A | 5 | 10/21/2021 | CBI                              | (G) Process aid   | (G) Polycyclic Dioxolane  |
| SN-22-0001 | 1 | 10/06/2021 | CBI                              | (G) Component in polishing formulation  | (S) Ethanol, 2,2',2"-nitrilotris-, compd. with .alpha[2,4,6-tris(1-<br>phenylethyl)phenyl]omegahydroxypoly(oxy-1,2-ethanediyl)<br>phosphate   |
| J-21-0020  | 2 | 11/05/2021 | Cinder<br>Biological, Inc.       | (G) Enzyme production   | (G) CinderBio-1   |
| J-21-0021  | 2 | 11/05/2021 | Cinder<br>Biological, Inc.       | (G) Enzyme production   | (G) CinderBio-1   |
| J-21-0022  | 2 | 11/05/2021 | Cinder<br>Biological, Inc.       | (G) Enzyme production   | (G) CinderBio-1   |
| J-21-0023  | 2 | 11/05/2021 | Cinder<br>Biological, Inc.       | (G) Enzyme production   | (G) CinderBio-1   |
| J-21-0024  | 2 | 11/05/2021 | Cinder<br>Biological, Inc.       | (G) Enzyme production   | (G) CinderBio-1   |
| J-21-0025  | 2 | 11/05/2021 | Cinder<br>Biological, Inc.       | (G) Enzyme production   | (G) CinderBio-1   |
| J-22-0001  | 1 | 10/26/2021 | CBI                              | (G) Chemical production   | (G) Chromosomally-modified Saccharomyces cerevisiae   |

| J-22-0002  | 1 | 10/26/2021 | CBI   | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae   |
|------------|---|------------|---|--|---|
| J-22-0003  | 1 | 10/26/2021 | CBI   | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae   |
| J-22-0004  | 1 | 10/26/2021 | CBI   | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae   |
| J-22-0005  | 1 | 10/26/2021 | CBI   | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae   |
| J-22-0006  | 1 | 10/26/2021 | CBI   | (G) Chemical production  | (G) Chromosomally-modified Saccharomyces cerevisiae   |
| J-22-0007  | 1 | 10/27/2021 | СВІ   | (G) Production of DNA for<br>use in internal manufacturing   | (G) Strain of Escherichia coli modified with genetically-stable, plasmid-borne DNA for the production of plasmid-borne DNA  |
| P-19-0134A | 8 | 11/04/2021 | СВІ   | (S) Binder for moisture cure coatings  | (G) [5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexa<br>[Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydrox<br>polymer with 1,6-diisocyanatohexane], polymer with [Poly(oxy-1<br>butanediyl), .alphahydroomegahydroxy-], [Cyclic amine - ke<br>adduct, reduced], and [1,3-Propanediol, 2-ethyl-2-(hydroxymethy |
| P-20-0060  | 5 | 11/10/2021 | СВІ   | (S) Solvent-based pigmented<br>one- and two-component<br>polyurethane coatings<br>Automotive Refinish General<br>Industrial Coil | (G) Bismuth Carboxylate complexes   |
| P-20-0096A | 5 | 11/09/2021 | Solenis LLC   | (G) Use in papermaking process   | (G) Unsaturated dicarboxylic acid polymer with<br>2-(dialkylamino)alkyl-alkyl-alkanoate, N, N-dialkyl-alkene amid<br>2-propenamide and salt of alkyl-substituted alkene sulfonate   |
| P-20-0127A | 5 | 11/09/2021 | Kuraray<br>America, Inc.                                | (S) Industrial Solvent   | (S) 2H-Pyran, tetrahydro-4-methyl-  |
| P-20-0182A | 2 | 11/19/2021 | Eastman<br>Chemical<br>Company, Inc                     | (G) Plasticizer for PVC formulations   | (S) 1,4-Benzenedicarboxylic acid, bis[2-(2-butoxyethoxy)ethyl] e<br>(9 CI)  |
| P-21-0017A | 2 | 11/05/2021 | Sumitomo<br>Chemical<br>Advanced<br>Technologies<br>LLC | (S) Substance used to<br>improve physical properties<br>in rubber products   | (G) [(Substituted-carbomonocyclic) amino] oxoalkenoic acid,<br>inorganic salt   |
| P-21-0049A | 5 | 11/18/2021 | CBI   | (G) Monomer  | (G) Alkanoic acid, polyhalo-(halo-oxo-alkenyl)oxyalkyl ester  |
| P-21-0050A | 5 | 11/18/2021 | CBI   | (G) Monomer  | (G) Alkenoic acid, halo-polylhaloalkyl ester  |
| P-21-0089A | 4 | 11/09/2021 | СВІ   | (G) Emulsifier   | (G) Lignin, modified, reaction products with alkylamine by-products hydrochlorides  |

| P-21-0090A | 4 | 11/09/2021 | СВІ   | (G) Component in paving formulations                                    | (G) Lignin, modified, reaction products with alkylamine by-prod   |
|------------|---|------------|---|---|---|
| P-21-0138A | 3 | 11/15/2021 | LG Energy<br>Solution<br>Michigan Inc       | (S) Electrode material for use<br>in the manufacture of<br>batteries    | (G) Lithium metal oxide   |
| P-21-0172A | 6 | 11/04/2021 | Silco, Inc.                                 | (S) Moisture reactive<br>polymer for use in sealants<br>and coatings    | (G) Siloxanes and Silicones, di-Me, trimethoxysilyl group termin  |
| P-21-0173A | 3 | 11/09/2021 | ICM Products<br>Inc.                        | (G) Additive for finishing of textiles/fabrics                          | (G) Siloxanes and silicones polyether, polymer with aliphatic isocyanate, 2-dimethylaminoethanol and polyglycol ether |
| P-21-0213  | 2 | 10/28/2021 | ICM Products<br>Inc.                        | (G) Textile finishing agent   | (G) Siloxanes and Silicones, alkyl methyl, dimethyl   |
| P-21-0218  | 3 | 11/17/2021 | Honeycomb<br>Techno<br>Research USA<br>Inc  | (G) Electric Molding  | (G) Phenol biphenylene polycondensate   |
| P-22-0001  | 1 | 10/04/2021 | СВІ   | (G) Raw material for<br>manufacturing chemicals                         | (G) Alkane, disubstituted   |
| P-22-0008  | 2 | 11/22/2021 | СВІ   | (G) Biocatalyst used in a variety of products                           | (S) .betaN-Acetylhexosaminidase   |
| P-22-0010  | 1 | 11/17/2021 | H.B. Fuller<br>Company                      | (S) This chemical is being<br>used as part of an industrial<br>adhesive | (G) Amino alkanoic acid, N-[3-(Trimethoxysilyl)Propyl]-,<br>3-(Trimethoxysilyl)Propyl ester                           |
| P-22-0012  | 1 | 11/24/2021 | СВІ   | (G) Photolithography  | (G) Sulfonium, tricarbocyclic-, 2-heteroatom-substituted-<br>4-(halocarbocyclic)carboxylate (1:1)                     |
| SN-21-0012 | 3 | 11/15/2021 | Showa Denko<br>Materials<br>(America), Inc. | (S) Epoxy molding<br>compound   | (S) Oxirane, 2,2'-[methylenebis[(2,6-dimethyl-4,1-<br>phenylene)oxymethylene]]bis-                                    |
| J-22-0008  | 1 | 11/18/2021 | СВІ   | (G) Manufacture of an alcohol   | (G) Modified Yeast  |
| J-22-0009  | 1 | 12/10/2021 | Danisco US,<br>Inc.                         | (G) Production of a chemical substance                                  | (G) Genetically modified microorganism for the production of a chemical substance                                     |
| J-22-0010  | 1 | 12/10/2021 | Danisco US,<br>Inc.                         | (G) Production of a chemical substance                                  | (G) Genetically modified microorganism for the production of a chemical substance                                     |

| P-18-0097A | 3  | 12/23/2021 | Mane USA                     | (G) Ingredient   | (S) 1,3-Dioxane, 2-(3,3-dimethyl-1-cyclohexen-1-yl)-2,5,5-trime   |
|------------|----|------------|------------------------------|--|---|
| P-18-0293A | 14 | 12/28/2021 | Sirrus, Inc.                 | (S) Intermediate: Monomer<br>used as a chemical<br>intermediate in the<br>manufacture of polymers.   | <ul> <li>(S) Propanedioic acid, 2-methylene-, 1,3-dihexyl ester</li> <li>(G) Coatings: Monomer used in the manufacture of industrial coa<br/>(e.g., protective floor coatings). The PMN substance (i.e., unreact<br/>monomer) is not used in spray applications. Adhesives: Monomer<br/>in the manufacture (formulation) (e.g., reactive, industrial structur<br/>lamination).</li> </ul> |
| P-18-0294A | 14 | 12/28/2021 | Sirrus, Inc.                 | <ul> <li>(S) Intermediate: Monomer<br/>used as a chemical<br/>intermediate in the<br/>manufacture of polymers.</li> <li>(G) Coatings: Monomer used<br/>in the manufacture of<br/>industrial coatings (e.g.,<br/>protective floor coatings).</li> <li>The PMN substance (i.e.,<br/>unreacted monomer) is not<br/>used in spray applications.</li> <li>Adhesives: Monomer used in<br/>the manufacture<br/>(formulation) of (e.g.,<br/>reactive, industrial structural<br/>or lamination).</li> </ul> | (S) Propanedioic acid, 2-methylene-, 1,3-dicyclohexyl ester   |
| P-21-0101A | 2  | 12/13/2021 | ENI trading & shipping INC   | (G) Used as a lubricant and lubricant additive   | (G) Benzenesulfonic acid, polyalkyl derivs., calcium salts  |
| P-21-0133A | 6  | 12/01/2021 | CBI                          | (S) Chemical Intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by or <sub>i</sub> acid-producing organism, modified   |
| P-21-0141A | 5  | 12/23/2021 | Valero Energy<br>Corporation | (S) Transportation Fuel  | (S) Alkanes, C4-8 - Branched and Linear   |
| P-21-0168A | 3  | 12/23/2021 |                              | (G) Colorant   | (G) Metal, [heteropolycyclic]-,<br>[[[(hydroxyalkyl)amino]sulfonyl]alkyl]sulfonyl(sulfoalkyl)sulfon<br>derivs., ammonium sodium salts   |
| P-21-0169  | 3  | 12/15/2021 | CBI                          | (G) Additive for plastic   | (G) Fatty acids, penta-alkyl-4-piperidinyl esters   |

| P-21-0182A | 3 | 12/01/2021 | СВІ                                | (S) chemical intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by ora acid-producing organism  |
|------------|---|------------|------------------------------------|--|--|
| P-21-0183A | 3 | 12/01/2021 | СВІ                                | (S) chemical intermediate  | (G) Distillation bottoms from manufacture of alkanoic acid by ora<br>acid-producing organism, modified   |
| P-21-0190A | 3 | 12/07/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.<br>It will be used by OEMs in<br>these applications as<br>components in finished<br>formulations. The intended<br>use of these products is 100%<br>industrial and not intended<br>for use as consumer products. | (S) Poly(oxy-1,2-ethanediyl)-alpha-(1-oxohexyl)-omega-[(1-<br>oxohexyl)oxy]-   |
| P-21-0193A | 4 | 12/07/2021 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.<br>It will be used by OEMs in<br>these applications as<br>components in finished<br>formulations. The intended<br>use of these products is 100%<br>industrial and not intended<br>for use as consumer products. | (S) Fatty acids, C8-10, diesters with polyethylene glycol  |
| P-21-0201A | 8 | 12/09/2021 | The Lewis<br>Chemical<br>Company   | (S) The intention is for this<br>product to be used as an<br>offset to N,N,N',N',N''-<br>Pentamethyl-N-tallow<br>alkyl1,3-<br>propanediammonium<br>chloride (CAS#68607-29-4)   | <ul> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-octadecen-1-yl, chloride (1:2);</li> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-octadecyl-, chloride (1:2);</li> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentaminium, 3-tetradecyl-, chloride (1:2);</li> </ul> |

|            |   |            |  |   | (S) 1,3-Propanediaminium, N-hexadecyl-2-hydroxy-N,N,N',N',N'<br>pentamethyl-, dichloride (2CI);   |
|------------|---|------------|--|---|---|
| P-21-0201A | 9 | 12/20/2021 | The Lewis<br>Chemical<br>Company           | (S) The intention is for this<br>product to be used as an<br>offset to N,N,N',N',N''-<br>Pentamethyl-N-tallow<br>alkyl1,3-<br>propanediammonium<br>chloride (CAS#68607-29-4)<br>in a cationic latex asphalt<br>emulsion formulation | <ul> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentamin3-octadecen-1-yl, chloride (1:2);</li> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentamin3-octadecyl-, chloride (1:2);</li> <li>(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentamin3-tetradecyl-, chloride (1:2);</li> <li>(S) 1,3-Propanediaminium, N-hexadecyl-2-hydroxy-N,N,N',N',N' pentamethyl-, dichloride (2CI);</li> </ul> |
| P-21-0216A | 2 | 12/10/2021 | СВІ  | <ul><li>(G) Additive in electrode materials</li><li>(G) Additive in plastics</li></ul>  | (G) Multi-walled carbon nanotubes   |
| P-21-0217A | 2 | 12/10/2021 | СВІ  | <ul> <li>(G) Additive in electrode materials</li> <li>(G) Additive in thermoplastics</li> <li>(G) Component in electrodes</li> </ul>  | (G) Multi-walled carbon nanotubes   |
| P-22-0003  | 2 | 12/10/2021 | INV Nylon<br>Chemicals<br>Americas,<br>LLC | (S) Clay Stabilizer in Oil &<br>Gas Fracking  | (S) 1,5-Pentanediamine, 2-methyl-, hydrochloride (1:2)  |
| P-22-0004  | 2 | 12/10/2021 | INV Nylon<br>Chemicals<br>Americas,<br>LLC | (S) Clay Stabilizer in Oil &<br>Gas Fracking  | (S) 1,5-Pentanediamine, 2-methyl-, hydrochloride (1:1)  |
| P-22-0005  | 2 | 12/10/2021 | INV Nylon<br>Chemicals<br>Americas,<br>LLC | (S) Clay Stabilizer in Oil &<br>Gas Fracking  | (S) Formic acid, compd. with 2-methyl-1,5-pentanediamine (2:1)  |

| P-22-0006  | 2 | 12/10/2021 | INV Nylon<br>Chemicals<br>Americas,<br>LLC | (S) Clay Stabilizer in Oil &<br>Gas Fracking  | (S) Formic acid, compd. with 2-methyl-1,5-pentanediamine (1:1)  |
|------------|---|------------|--|---|---|
| P-22-0007  | 3 | 12/22/2021 | CBI  |   | (G) 3,5,8-Trioxa-4-silaalkanoic acid, 4-ethenyl-4-(2-alkoxy-1-alk<br>2-oxoethoxy)-2,6-dialkyl-7-oxo-, alkyl ester   |
| P-22-0008A | 3 | 12/20/2021 | СВІ  | (G) Biocatalyst used in a variety of products   | (S) .betaN-Acetylhexosaminidase   |
| P-22-0009  | 2 | 12/02/2021 | CBI  | (S) Gasoline blending<br>component to reduce the<br>average carbon intensity and<br>subsequent CO2 emissions of<br>fuel | (S) Alkanes, C4-C9-branched and linear  |
| P-22-0009A | 3 | 12/07/2021 | CBI  | (S) Gasoline blending<br>component to reduce the<br>average carbon intensity and<br>subsequent CO2 emissions of<br>fuel | (S) Alkanes, C4-C9-branched and linear  |
| P-22-0011  | 2 | 11/30/2021 | Lord<br>Corporation                        | (G) Functionalized rubber in<br>resin side of two component<br>epoxy modified acrylic<br>adhesive                       | <ul> <li>(G) Alkadiene, homopolymer, hydroxy-terminated, bis[N-[2-[(1-oxo-2-propen-1-yl)oxylethyl]carbamates]</li> <li>(G) Functionalized rubber in resin side of two component acrylic adhesive</li> </ul> |
| P-22-0013  | 1 | 12/02/2021 | Corteva<br>Agriscience<br>LLC              | (S) Raw<br>Material/Intermediate, Site-<br>Limited, Destructive Use   | (G) 2-pyridinecarboxylic acid, 3-halo,4-nitrogen-substituted-5-ha<br>6-halo, aryl ester   |
| P-22-0015  | 2 | 12/16/2021 | Corteva<br>Agriscience<br>LLC              | (S) Raw Material, Site-<br>Limited, Destructive Use   | (G) 2-Pyridinecarboxylic acid, 3-halo-4-nitrogen-substituted-5-ha<br>6-halo-  |
| P-22-0016  | 1 | 12/13/2021 | CBI  | (G) Complexing agent  | (G) Alkyl glycine dicarboxylic acid sodium salt   |

| P-22-0017  | 1 | 12/14/2021 | Sasol<br>Chemicals                  | (S) Paraffin wax substitute<br>for candles   | (S) 1 - Eicosanol, manuf. of, distn., residues  |
|------------|---|------------|-------------------------------------|--|---|
|            |   |            | (USA) LLC                           | (S) Alkylate for polymer esters  |   |
| P-22-0018  | 1 | 12/14/2021 | СВІ                                 | (G) Component of lubricant   | (G) Substituted polyalkylenepoly, reaction products with substituted heteromonocycle substituted heteromonocycle polyalkylene deriv |
| P-22-0019  | 1 | 12/16/2021 | СВІ                                 | (G) Film-forming polymer   | (G) Protein sodium complexes, polymers with aromatic acid chlo ethylene diamine and amino acid                                      |
| P-22-0021  | 1 | 12/17/2021 | СВІ                                 | (G) Nucleating Agent for<br>Polyolefins  | (G) Alkylphosphonic acid, calcium salt  |
| P-22-0023  | 1 | 12/21/2021 | CBI                                 | (G) Catalyst system component  | (G) Alkyldioic acid, bis(alkylalkyl)-, polyalkyl ester  |
| P-22-0026  | 1 | 12/23/2021 | CBI                                 | (G) Emulsifier for industrial uses   | (G) Polyalkylamines, reaction products with maleated glycerides   |
| SN-21-0013 | 2 | 11/30/2021 | Koch<br>Agronomic<br>Services       | (S) Additive for urea<br>ammonium nitrate, UAN,<br>fertilizer for boom spray<br>applications.  | (S) Urea, reaction products with N-butylphosphorothioic triamide formaldehyde   |
| SN-22-0002 | 1 | 12/17/2021 | Eastman<br>Chemical<br>Company, INC | <ul> <li>(S) Solvent-borne coatings</li> <li>(S) Coatings for consumer use, brush on coatings</li> <li>(S) Coatings for commercial use, spray coating</li> <li>(G) Consumer use other than brush on</li> </ul> | (S) 2-Pyrrolidinone, 1-butyl-   |
| J-22-0008A | 2 | 12/21/2021 | CBI                                 | (G) Manufacture of an alcohol  | (G) Modified Yeast  |
| J-22-0011  | 1 | 01/24/2022 | CBI                                 | (G) Ethanol productions  | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable   |
| P-18-0281A | 4 | 01/14/2022 | CBI                                 | (G) Electrolyte additive   | (G) Cyclic sulfate  |

| P-18-0350A | 4 | 12/31/2021 | Evonik<br>Corporation | (S) Additive in water-borne<br>UV-curable coatings, Filler &<br>pigment treatment, Glass<br>fiber treatment   | (G) Aqueous methacrylamido modified polysiloxane  |
|------------|---|------------|-----------------------|---|---|
| P-18-0374A | 5 | 12/31/2021 | Evonik<br>Corporation | (S) Additive in a water-borne<br>coating formulation, Glass<br>fiber sizing, Fillers, pigments<br>and glass bead treatment  | (G) Cationic aminomodified alkylpolysiloxane  |
| P-20-0092A | 8 | 01/25/2022 | CBI                   | (G) Coloration of fabric  | (G) Napthalenesulfonic acid, amino-hydroxy-bis [sulfo-<br>[(sulfooxy)ethyl]sulfonyl]phenyl]diazinyl]-,potassium sodium sa |
| P-20-0175A | 6 | 01/10/2022 | CBI                   | <ul> <li>(G) Proprietary Additive for</li> <li>WB&amp;P Formulation,</li> <li>Proprietary Additive for Slats</li> <li>&amp; CR Formulations,</li> <li>Proprietary Additive for PI</li> <li>Formulation</li> </ul> | (G) acid N-[4-(4-diarylalkyl]-, carbopolycyclic alkenyl, methyl e   |
| P-20-0176A | 6 | 01/10/2022 | CBI                   | (G) Proprietary Additive for<br>WB&P Formulation,<br>Proprietary Additive for Slats<br>& CR Formulations,<br>Proprietary Additive for PI<br>Formulation   | (G) acid N-(diarylalkyl)-, carbopolycyclic alkenyl, methyl ester  |
| P-20-0177A | 6 | 01/10/2022 | CBI                   | (G) Proprietary Additive for<br>WB&P Formulation,<br>Proprietary Additive for Slats<br>& CR Formulations,<br>Proprietary Additive for PI<br>Formulation   | (G) carbopolycyclic alkenyl, 2-carboxylic acid, 2-[[[4-(4-<br>diarylalkyl)]carbonyl]oxy]ethyl ester                       |
| P-20-0178A | 6 | 01/10/2022 | CBI                   |   | (G) carbopolycyclic alkenyl, 2-carboxylic acid,<br>2-[[[(diarylalkyl)]carbonyl]oxy]ethyl ester                            |
| P-21-0012A | 5 | 01/06/2022 | CBI                   | (G) The notified substance<br>will be used as a fragrance   | (G) Multialkylbicycloalkenyl substituted propanenitrile   |

|            |   |            |                        | ingredient   |  |
|------------|---|------------|------------------------|--|--|
| P-21-0032  | 3 | 01/19/2022 | Crison, LLC            | (S) Mining collector, Asphalt<br>emulsifier  | (S) Poly[oxy(methyl-1,2-ethanediyl)], alpha-(3-aminopropyl)-or (1-methylethoxy)-   |
| P-21-0033  | 3 | 01/19/2022 | Crison, LLC            | (S) Mining collector, Asphalt<br>emulsifier  | (S) Poly[oxy(methyl-1,2-ethanediyl)], alpha-(3-aminopropyl)-on<br>butoxy-  |
| P-21-0181A | 5 | 01/10/2022 | CBI                    | (G) Color developer  | (G) 1,3-Benzenedicarboxamide, N1,N3-bis(carbomonocyclic)-<br>5-[[(carbomonocyclic)amino]sulfonyl]-   |
| P-22-0021A | 2 | 01/21/2022 | CBI                    | (G) Nucleating Agent for Polyolefins   | (G) Alkylphosphonic acid, calcium salt   |
| P-22-0022  | 2 | 01/04/2022 | CBI                    | (G) dispersing additive  | (G) Aryl-substituted-heterocyclic-polyamine, reaction products v<br>polyethylene glycol alkyl-ether, and nitrogen and alkyl-substitute<br>benzene  |
| P-22-0024  | 2 | 01/07/2022 | CBI                    | (G) Ingredient in Industrial<br>Coating  | (G) Amino salt, polymer with 1,6-diisocyanatohexane, oxime- ar glycol ether-blocked  |
| P-22-0025  | 2 | 01/03/2022 | CBI                    | (S) Chemical intermediate  | (G) Oxirane, 2-(chloromethyl)-, homopolymer, ether with dialky alkanediol (2:1)  |
| P-22-0027  | 3 | 01/18/2022 | Takasago               | (S) Fragrance in fine<br>fragrance, deodorants,<br>cosmetics, household<br>products such as laundry<br>detergents, air fresheners,<br>shampoos and body washes | (S) 2-Pentanone, 3-methyl-5-(2,2,3-trimethylcyclopentyl)-  |
| P-22-0028  | 2 | 01/12/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive  | (G) Polyester with 1,4-benzenedicarboxylic acid, 1,4- dimethyl 1<br>benzebedicarboxylate, 2,2-dimethyl-1,3-propanediol, dodecaned<br>acid, 1,2-ethanediol, aliphatic polyester, 3-hydroxy-2,2-<br>dimethylpropyl 3-hydroxy-2,2-dimethylpropanoate, 1,3-<br>isobenzofurandione and 1,1'-methylenebis[4-isocyanatobenzene] |
| P-22-0028A | 3 | 01/28/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive  | (G) polyester with 1,4-benzenedicarboxylic acid, 1,4- dimethyl 1<br>benzebedicarboxylate, 2,2-dimethyl-1,3-propanediol, dodecaned<br>acid, 1,2-ethanediol, aliphatic polyester, 3-hydroxy-2,2-<br>dimethylpropyl 3-hydroxy-2,2-dimethylpropanoate, 1,3-<br>isobenzofurandione and 1,1'-methylenebis[4-isocyanatobenzene] |
| P-22-0029A | 2 | 01/12/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive  | (G) polyester with 1,4-benzenedicarboxylic acid, 1,4- dimethyl 1<br>benzebedicarboxylate, 2,2-dimethyl-1,3-propanediol, dodecaned<br>acid, 1,2-ethanediol, aliphatic polyester, 3-hydroxy-2,2-   |

|            |   |            |                        |   | dimethylpropyl 3-hydroxy-2,2-dimethylpropanoate, 1,3-<br>isobenzofurandione and 1,1'-methylenebis[isocyanatobenzene]   |
|------------|---|------------|------------------------|---|--|
| P-22-0029A | 3 | 01/28/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive   | (G) polyester with 1,4-benzenedicarboxylic acid, 1,4- dimethyl 1,<br>benzebedicarboxylate, 2,2-dimethyl-1,3-propanediol, dodecanedi<br>acid, 1,2-ethanediol, aliphatic polyester, 3-hydroxy-2,2-<br>dimethylpropyl 3-hydroxy-2,2-dimethylpropanoate, 1,3-<br>isobenzofurandione and 1,1'-methylenebis[isocyanatobenzene] |
| P-22-0030  | 2 | 01/12/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive   | (G) Polyester with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,<br>propanediol, dodecanedioic acid, 1,2-ethanediol, aliphatic polyest<br>3-hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropanoat<br>1,3-isobenzofurandione and 1,1'-methylenebis[4-isocyanatobenze   |
| P-22-0030A | 3 | 01/28/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive   | (G) Polyester with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,<br>propanediol, dodecanedioic acid, 1,2-ethanediol, aliphatic polyest<br>3-hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropanoat<br>1,3-isobenzofurandione and 1,1'-methylenebis[4-isocyanatobenze   |
| P-22-0031  | 2 | 01/12/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive   | (G) polyester with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,<br>propanediol, dodecanedioic acid, 1,2-ethanediol, aliphatic polyest<br>3-hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropanoat<br>1,3-isobenzofurandione and 1,1'-methylenebis[isocyanatobenzene   |
| P-22-0031A | 3 | 01/28/2022 | H.B. Fuller<br>Company | (S) Industrial Adhesive   | (G) polyester with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,<br>propanediol, dodecanedioic acid, 1,2-ethanediol, aliphatic polyest<br>3-hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropanoat<br>1,3-isobenzofurandione and 1,1'-methylenebis[isocyanatobenzene   |
| P-22-0032  | 1 | 01/13/2022 | СВІ                    | (S) Reactive polymer for use in adhesives and sealants  | (G) Isocyanic acid, polymethylenepolyphenylene ester, polymer v<br>a-hydro-w-hydroxypoly[oxy(alkanediyl)], diisocyanatobenzene] ;<br>a-alkane[w-hydroxypoly[oxy(alkanediyl)]]  |
| P-22-0033  | 1 | 01/13/2022 | CBI                    | (S) Adhesion promoter for<br>use in industrial<br>manufacturing operations                            | (G) Alkylamine, alkoxysilyl-, hydrolyzed   |
| P-22-0034  | 2 | 01/26/2022 | СВІ                    | (G) Precursor to a Nucleating<br>Agent for Polyolefins  | (G) Alkylphosphonic acid, disodium salt  |
| P-22-0035  | 1 | 01/25/2022 | Allnex USA<br>Inc.     | (S) To improve the reactivity<br>of flexographic ink<br>formulations when cured<br>under LED UV light | (G) Alkenoic acid, alkanediyl ester, polymer with bis(substituted alkyl)-alkanediol polymer with alkylene oxides alkenoate, and alkanamine   |

| J-22-0008A | 3 | 02/15/2022 | СВІ                             | (G) Manufacture of an alcohol   | (G) Modified Yeast  |
|------------|---|------------|---------------------------------|---|---|
| J-22-0011A | 2 | 01/28/2022 | СВІ                             | (G) Ethanol production  | (G) Biofuel producing Saccharomyces cerevisiae modified, genet stable.  |
| P-16-0218A | 7 | 02/03/2022 | СВІ                             | (G) Reactant: Spray Foam<br>Insulation, Architectural<br>Coating  | (G) Acetoacetylated Glycerin  |
| P-20-0124A | 4 | 02/18/2022 | СВІ                             | (G) Additive in Household consumer products   | (S) 5-octen-4-ol, 3,5-dimethyl-, (5E)-  |
| P-20-0126A | 4 | 02/18/2022 | СВІ                             | (G) Additive in household consumer products   | (S) 4-Decenal, 5,9-dimethyl-  |
| P-21-0011A | 3 | 02/01/2022 | СВІ                             | (S) Crosslinking agent for inks and coatings  | (G) Hexane, 1,6-diisocyanato-, homopolymer, alkyl epoxy ether-<br>polyethylene glycol mono-Me ether-blocked, reaction products w<br>propylenimine |
| P-21-0082A | 2 | 02/18/2022 | СВІ                             | (G) Additive in household consumer products   | (S) 1-Decen-4-yne   |
| P-21-0205A | 2 | 02/18/2022 | СВІ                             | (G) Additive in household consumer products   | (S) Benzene, [2-[(2-methyl-1-undecen-1-yl}oxy]ethyl]-   |
| P-21-0206A | 3 | 02/18/2022 | HollyFrontier<br>Corporation    | (G) Component of gasoline.  | (G) Alkanes, branched and linear  |
| P-22-0017A | 2 | 02/01/2022 | Sasol<br>Chemicals<br>(USA) LLC | (S) Paraffin wax substitute<br>for candles, Alkylate for<br>polymer esters  | (S) 1 - Eicosanol, manuf. of, distn., residues  |
| P-22-0036  | 2 | 02/07/2022 | Torrecid USA<br>LLC             | (S) coloring agent, pigment<br>for master batch   | (S) chromium iron manganese oxide   |
| P-22-0037  | 1 | 02/03/2022 | Allnex USA<br>Inc.              | (S) Additol XL 186 is a<br>specific, high efficiency<br>additive which improves the<br>adhesion to metal, especially<br>under humid conditions. | (G) Polyphosphoric acids, esters with heteromonocycle homopoly  |
| P-22-0039  | 2 | 02/25/2022 | СВІ                             | (S) Colorant for agricultural applications  | (G) Poly(oxy-1,2-ethanediyl),alpha,alpha'-[[[4-(4-alkyl heteroaryl)ene]aryl]imino]di-2,1- ethanediyl]bis[omega-hydroxy-                           |
| P-22-0040  | 1 | 02/07/2022 | СВІ                             | (G) Component used in<br>manufacture of high<br>performance batteries   | (S) Manganate(4-), hexakis(cyanokappa.C)-, manganese (2+) sodium, (OC-6-11)-  |

| P-22-0041   | 1  | 02/07/2022 | CBI                              | (G) A component used in the manufacture of batteries   | (S) Ferrate (-4), hexakis(cyanokappa.C)-, iron(3+) manganese(2 sodium, (OC-6-11)-   |
|-------------|----|------------|----------------------------------|--|---|
| P-22-0042   | 1  | 02/09/2022 | CBI                              | (G) Photolithography   | (G) Alkanedione, [[[(substituted)aryl]thio]aryl]-, 2-(O-acetyloxin  |
| P-22-0044   | 1  | 02/15/2022 | CBI                              | (G) Site Limited Intermediate  | (G) Silica gel, reaction products with alkyl metal salt   |
| P-22-0045   | 1  | 02/15/2022 | AkzoNobel                        | (G) Polymer used in the manufacture of paint.  | (G) Fatty acids, polymer with modified benzofuran-1,3-dione, pentaerythritol and aromatic acid anhydride  |
| P-22-0047   | 2  | 02/25/2022 | СВІ                              | (G) Epoxy additive   | (G) Alkyl substituted carbopolycyclic acids and heteromonocycli esters  |
| P-22-0048   | 2  | 02/24/2022 | Ashland. Inc.                    | (S) Intermediate in film   | (G) halogenated dodecyl-acetylen  |
| SN-22-0001A | 2  | 01/28/2022 | CBI                              | (G) Component in polishing formulation   | (S) Ethanol, 2,2',2"-nitrilotris-, compd. with .alpha[2,4,6-tris(1-phenylethyl)phenyl]omegahydroxypoly(oxy-1,2-ethanediyl) phosphate  |
| P-21-0077A  | 4  | 02/26/2022 | CBI                              | (G) battery additive   | (S) Tinci_PMN3  |
| P-21-0090A  | 5  | 03/07/2022 | CBI                              | (G) Component in paving formulations.  | (G) Lignin, modified, reaction products with alkylamine by-produ  |
| P-21-0189A  | 3  | 03/01/2022 | Renewable<br>Energy Group        | (S) Feedstock used in the production of biomass based diesel.  | (S) Fats and Glyceridic oils, algae   |
| P-21-0201A  | 11 | 03/04/2022 | The Lewis<br>Chemical<br>Company | (S) The intention is for this<br>product to be used as an<br>offset to N,N,N',N',N"<br>-Pentamethyl-N-tallow<br>alkyl1,3-<br>propanediammonium<br>chloride (CAS#68607-29-4)<br>in a cationic latex asphalt<br>emulsion formulation | (S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-pentam<br>N3-octadecen-1-yl, chloride (1:2);(S) 1,3-Propanediaminium,<br>2-hydroxy-N1,N1,N1,N3,N3-pentamethyl-N3-octadecyl-, chlorid<br>(1:2);(S) 1,3-Propanediaminium, 2-hydroxy-N1,N1,N1,N3,N3-<br>pentamethyl-N3-tetradecyl-, chloride (1:2);(S) 1,3-Propanediamin<br>N-hexadecyl-2-hydroxy-N,N,N',N'-pentamethyl-, dichloride (2 |
| P-22-0011A  | 3  | 03/29/2022 | Lord<br>Corporation              | (G) Functionalized rubber in<br>resin side of two component<br>acrylic, epoxy modified<br>acrylic  | (G) Alkadiene, homopolymer, hydroxy-terminated, bis[N-[2-[(1-oxo-2-propen-1-yl)oxylethyl]carbamates]  |
| P-22-0032A  | 2  | 02/28/2022 | CBI                              | (S) Reactive polymer for use in adhesives and sealants.  | (G) Isocyanic acid, polymethylenepolyphenylene ester, polymer v<br>a-hydro-w-hydroxypoly[oxy(alkanediyl)], 1,1'-methylenebis[4-<br>isocyanatobenzene] and a-alkane[w-hydroxypoly[oxy(alkanediyl]  |

| P-22-0038  | 3 | 03/11/2022 | CBI                              | (G) Additive   | (G) Siloxanes and Silicones, di-Me, mixed (polyhydro-substituted heterocyclic) alkyl group- and [(polyalkylsilyl)substituted]-termin                          |
|------------|---|------------|----------------------------------|--|---|
| P-22-0043  | 2 | 03/11/2022 | CBI                              | (G) Intermediate   | (G) Fatty acids, hydroxyethoxy ethyl esters   |
| P-22-0044A | 2 | 03/15/2022 | CBI                              | (G) Site Limited Intermediate  | (G) Silica gel, reaction products with alkyl metal salt   |
| P-22-0045A | 2 | 02/28/2022 | AkzoNobel                        | (G) Polymer used in the manufacture of paint.  | (G) Fatty acids, polymer with modified benzofuran-1,3-dione, pentaerythritol and aromatic acid anhydride  |
| P-22-0046  | 4 | 03/04/2022 | CBI                              | <ul> <li>(S) Food Coating agent for<br/>fruits, vegetables, meats and<br/>fish used by food<br/>processing/packing<br/>companies</li> <li>Industrial Applications<br/>including but not limited to<br/>fiber optics, and micro-<br/>circuits, R&amp;D development</li> </ul> | (S) Fibroins  |
| P-22-0049  | 3 |            | Huntsman<br>International<br>LLC | <ul> <li>(S) Coatings for oil and gas,<br/>power,<br/>chemical/petrochemical<br/>industries</li> <li>OEM coatings, Coatings used<br/>in manufacturing, Coatings in<br/>wastewater applications</li> </ul>  | (G) aryl, polymer with formaldehyde, glycidyl ether, reaction pro<br>with amino alkyl-alkane diamine, cyclohexanediamine and alkyle<br>[alkylcyclohexanamine] |
| P-22-0050  | 2 | 03/23/2022 | CBI                              | (G) Lubricant  | (G) Alkene, alkoxy-, polymer with alkoxyalkene  |
| P-22-0051  | 2 | 03/08/2022 | CBI                              | (G) Lubricant and Fuel<br>additive   | (G) 2,5-Furandione, dihydro-, monopolyisobutylene derivs., react products with substituted alkylamine   |
| P-22-0052  | 1 | 03/08/2022 | CBI                              | (G) Fuel Additive  | (G) Alkylated succinimide dimer   |
| P-22-0052A | 2 | 03/29/2022 | CBI                              | (G) Fuel Additive  | (G) Alkylated succinimide dimer   |
| P-22-0052A | 3 | 03/29/2022 | CBI                              | (G) Fuel Additive  | (G) Alkylated succinimide dimer   |
| P-22-0054  | 1 | 03/14/2022 | CBI                              | (G) Additive for paint and coatings  | (G) Graphene nanoplatelets  |
| P-22-0055  | 1 | 03/16/2022 | CBI                              | (G) Photoacid generator<br>(PAG) for use in electronics<br>industry  | (G) Aromatic sulfonium tricyclo fluoroalkyl sulfonic acid salt,   |

| P-22-0056   | 2 | 03/17/2022 | TIB Chemicals<br>Corporation       | (S) Catalyst for use in sealants and adhesives.  | (S) Tin, dioctylbis(2,4-pentanedionatokappa.O2,.kappa.O4)-   |
|-------------|---|------------|------------------------------------|--|--|
| P-22-0057   | 1 | 03/21/2022 | СВІ                                | (G) Additive in home care products   | (G) Polysaccharide, polymer with 2-propenoic acid, sodium salt                                     |
| SN-21-0003A | 3 | 03/15/2022 | Norquay<br>Technology<br>Inc       | (G) Intermediate   | (S) 1,1'-Biphenyl, 4,4'-dibromo-   |
| SN-21-0004A | 2 | 02/26/2022 | CBI                                | (G) Monomer  | (S) 2-Propenoic acid, 1,1'-(3-methyl-1,5-pentanediyl) ester  |
| SN-22-0003  | 2 | 02/04/2022 | СВІ                                | (G) Use as an ingredient in fragrances.  | (S) 1,3-Butanediol, (3R)-  |
| J-22-0012   | 1 | 04/01/2022 | Danisco US,<br>Inc.                | (G) Production of a chemical substance   | (G) Genetically modified microorganism for the production of a chemical substance                  |
| J-22-0012A  | 2 | 04/20/2022 | Danisco US,<br>Inc.                | (G) Production of a chemical substance   | (G) Genetically modified microorganism for the production of a chemical substance                  |
| J-22-0013   | 1 | 04/01/2022 | Danisco US,<br>Inc.                | (G) Production of a chemical substance   | (G) Genetically modified microorganism for the production of a chemical substance                  |
| J-22-0013A  | 2 | 04/20/2022 | Danisco US,<br>Inc.                | (G) Production of a chemical substance   | (G) Genetically modified microorganism for the production of a chemical substance                  |
| P-21-0088   | 4 | 04/18/2022 | Solepoxy, Inc                      | (G) Molding compound   | (G) Heterocyclic epoxide polymer with mixed substituted glycols acid anhydride                     |
| P-21-0191A  | 3 | 04/11/2022 | Santolubes<br>Manufacturing<br>LLC | (S) This product will be used<br>in gear oils & greases, wind<br>turbines, HX-1 (incidental<br>food contact) lubricants and<br>EV (Electric Vehicle) motors.<br>It will be used by OEMs in<br>these applications as<br>components in finished<br>formulations. The intended<br>use of these products is 100%<br>industrial and not intended<br>for use as consumer products. | (S) Fatty acids, C18-unsatd., dimers, hydrogenated, polymers wit polyethylene glycol, dihexanoates |
| P-21-0199A  | 5 | 04/18/2022 | CBI                                | (G) Processing aid   | (G) 1,6-Disubstituted hexane   |
| P-22-0059   | 2 | 04/13/2022 | СВІ                                | (S) Use of enzyme in laundry<br>and dishwashing detergents   | (S) Thermomycolin, fermented, from a modified Trichoderma ree                                      |

| P-22-0060 | 1 | 03/31/2022 | CBI                                 | (G) Intermediate   | (G) Polyol allyl ether, homopolymer terpene ether   |
|-----------|---|------------|-------------------------------------|--|---|
| P-22-0061 | 1 | 03/31/2022 | CBI                                 | (G) Intermediate   | (G) Polyol allyl ether, homopolymer, alkyl ethers   |
| P-22-0062 | 1 | 04/01/2022 | Vertellus<br>Specialties Inc.       | (G) Fuel and Oil additive for<br>consumer, industrial, and<br>commercial applications  | (G) Alkene, heterocycle   |
| P-22-0063 | 1 | 04/01/2022 | Vertellus<br>Specialties Inc.       | (G) Fuel and Oil additive for<br>consumer, industrial, and<br>commercial applications  | (G) Alkene, heterocycle   |
| P-22-0064 | 1 | 04/01/2022 | CBI                                 | (G) Intermediate   | (G) Polyol allyl ether, polymer with alkylene oxides, terpene ethe  |
| P-22-0065 | 1 | 04/01/2022 | CBI                                 | (G) Intermediate   | (G) Polyol allyl ether, polymer with alkylene oxides, alkyl ethers  |
| P-22-0066 | 2 | 04/26/2022 | СВІ                                 | (G) Additive for adhesives<br>and coatings   | (G) Polyol allyl ether, polymer with alkylene oxides, terpene ethe sulfate, ammonium salt   |
| P-22-0067 | 2 | 04/26/2022 | СВІ                                 | (G) Additive for adhesives<br>and coatings   | (G) Polyol allyl ether, polymer with alkylene oxides, alkyl ether sulfate, ammonium salts   |
| P-22-0069 | 1 | 04/08/2022 | CBI                                 | (G) Component in battery   | (G) fluoroheteroacid, metal salt  |
| P-22-0070 | 2 | 04/20/2022 | СВІ                                 | (G) Dispersant polymer for coatings  | (G) Alkylaromatic sulfonic acid, alkyl ester, compds. with phenol<br>formaldehyde polymer with amino-polyethylene-polypropylene<br>glycol-oxirane copolymer and benzoates |
| P-22-0071 | 2 | 04/14/2022 | Lamberti USA<br>Inc.                | (G) Industrial Surfactant  | (S) D-Glucopyranose, oligomeric, maleates, C9-11-branched and linear alkyl glycosides, sulfonated, potassium salts  |
| P-22-0072 | 2 | 04/14/2022 | Lamberti USA<br>Inc.                | (G) Industrial Surfactant  | (S) D-Glucopyranose, oligomeric, maleates, decyl octyl glycoside sulfonated, potassium salts  |
| P-22-0073 | 2 | 04/14/2022 | Lamberti USA<br>Inc.                | (G) Industrial Surfactant  | (S) D-Glucopyranose, oligomeric, maleates, C10-16-alkyl glycos sulfonated, potassium salts  |
| P-22-0076 | 1 | 04/13/2022 | Earth Science<br>Laboratories<br>HQ | (S) PABP-P will be used as a<br>carrier in agricultural (non-<br>pesticide) micronutrient<br>products. To formulate<br>corrosion control products<br>used to minimize corrosion of<br>steel pipes in industrial water<br>towers. | (S) Phosphoric acid, ammonium salt (1:?)  |
| P-22-0082 | 1 | 04/25/2022 | СВІ                                 | (G) Component of photoresist.  | (G) Alkenoic acid, alkyl, carbopolycyclic alkyl ester, polymer wi<br>trihalo (trihaloalkyl) alkyl alkyl alkenoate   |

| P-19-0141A | 8 | 05/05/2022 | CBI                              | (S) For use in metal treatment coatings for lubrication and corrosion protection.                                    | (S) Phosphoric Acid, manganese(2+) salt (2:3);(S) Phosphoric ac<br>manganese(2+) salt (4:5);  |
|------------|---|------------|----------------------------------|--|---|
| P-21-0195  | 4 | 05/04/2022 | CBI                              | (G) Primary component of retail consumer product for animals   | (S) Corn, germ, meal  |
| P-21-0196A | 2 | 05/25/2022 | CBI                              | (S) Additive for use in battery electrolyte formulations.  | (G) Oxathiole, oxide  |
| P-21-0216A | 3 | 05/22/2022 | LG Chem<br>America, Inc.         | (G) Additive in electrode materials, plastics  | (G) Multi-walled carbon nanotubes   |
| P-21-0217A | 3 | 05/22/2022 | LG Chem<br>America, Inc.         | (G) Additive in electrode<br>materials, thermoplastics and<br>Component in electrodes                                | (G) Multi-walled carbon nanotubes   |
| P-22-0014  | 3 | 05/22/2022 | CBI                              | (G) precursor  | (G) sodium bis(chloropropanediol) phosphate   |
| P-22-0074  | 2 | 04/26/2022 | Wilbur Ellis                     | (G) Agricultural chemical  | (S) Phosphonic acid, manganese(2+) salt (1:1)   |
| P-22-0075  | 2 | 05/11/2022 | Elantas pdg,<br>Inc.             | (S) Isolated intermediate used<br>as a monomer in the<br>production of a monomer free<br>unsaturated polyester resin | (S) 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-(2-  |
| P-22-0077  | 2 | 05/24/2022 | CBI                              | (G) Chemical Intermediate  | (G) magnesium salt of alkyl substituted hexanol   |
| P-22-0078  | 2 | 04/28/2022 | CBI                              | (S) dispersing agent   | (G) Oxirane, 2-methyl-, polymer with oxirane, mono-isoalkyl eth phosphates, salt  |
| P-22-0078A | 3 | 05/16/2022 | CBI                              | (S) dispersing agent for pesticide formulators   | (G) Oxirane, 2-methyl-, polymer with oxirane, mono-isoalkyl eth phosphates, salt  |
| P-22-0078A | 4 | 05/17/2022 | CBI                              | (S) dispersing agent for pesticide formulators   | (G) Oxirane, 2-methyl-, polymer with oxirane, mono-isoalkyl eth phosphates, salt  |
| P-22-0079  | 4 | 05/17/2022 | Galata<br>Chemicals,<br>LLC      | (S) Stabilizer for PVC compounds.  | (G) Pyridine carboxylate aliphatic diester  |
| P-22-0080  | 2 |            | Huntsman<br>International<br>LLC | (S) As an industrial<br>intermediate used in the<br>manufacture of polyamides as<br>a monomer.                       | (S) Poly(oxy-1,2-ethanediyl), alpha,alpha'-(iminodi-2,1-<br>ethanediyl)bis[omega-(2-aminoethoxy)-;(S) Poly(oxy-1,2-ethanedipha-(2-aminoethyl)-omega-(2-aminoethoxy)-; |

| P-22-0080A | 3 | 05/19/2022 | Huntsman<br>International<br>LLC | (S) As an industrial<br>intermediate used in the<br>manufacture of polyamides as<br>a monomer.   | (S) Poly(oxy-1,2-ethanediyl), ,'-(iminodi-2,1-ethanediyl)bis[-(2-<br>aminoethoxy)-;(S) Poly(oxy-1,2-ethanediyl), -(2-aminoethyl)(2-<br>aminoethoxy)-;  |
|------------|---|------------|----------------------------------|--|--|
| P-22-0081  | 2 | 05/03/2022 | CBI                              | <ul> <li>(S) Light and peroxide cured adhesives, Component of formulation for 3D printing with stereolithography process,</li> <li>(G) Component of light cured adhesives</li> </ul> | (S) 1,3-Propanediol,2,2-dimethyl-, polymer with alpha-hydro-om<br>hydroxypoly(oxy-1,4-butanediyl) and 1,1-methylenebis[4-<br>isocyanatocyclohexane], 2-hydroxyethyl methacrylate-blocked.;(<br>1,4-Cyclohexanedimethanol, polymer with 2,2-dimethyl-1,3-<br>Propanediol,alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediy<br>1,1-methylenebis[4-isocyanatocyclohexane], 2-hydroxyethyl<br>methacrylate-blocked;(S) 1,4-cyclohexanedimethanol, polymer w<br>alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl) and 1,1-<br>methylenebis[4-isocyanatocyclohexane], 2-hydroxyethyl<br>methacrylate-blocked.;(S) poly(oxy-1,4-butanediyl) and 1,1-<br>methylenebis[4-isocyanatocyclohexane], 2-hydroxyethyl<br>methacrylate-blocked.;(S) poly(oxy-1,4-butanediyl), alpha-hydro<br>omega-hydroxy-polymer with 1,1-methylenebis[4-<br>isocyanatocyclohexane], 2-hydroxyethyl methacrylate-blocked.; |
| P-22-0083  | 2 | 05/03/2022 | СВІ                              | (G) Perfume  | (S) Oils, sandalwood, santalene synthase-modified Rhodobacter sphaeroides-fermented, from D-Glucose, oxidized  |
| P-22-0083A | 3 | 05/13/2022 | СВІ                              | (G) Perfume  | (S) Oils, sandalwood, santalene synthase-modified Rhodobacter sphaeroides-fermented, from D-Glucose, oxidized  |
| P-22-0084  | 1 | 04/27/2022 | CBI                              | (G) Performance additive   | (G) Diallyldimethylammonium chloride, polymer with acrylic aci<br>and methacrylic acid derivatives   |
| P-22-0085  | 1 | 04/29/2022 | СВІ                              | (S) Site limited Intermediate<br>to be further reacted into final<br>product.  | (S) Ethane, 1,2-dibromo-1,1-difluoro-  |
| P-22-0086  | 2 | 05/11/2022 | SHIN-ETSU<br>Microsi             | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Phenoxathiinium, 10-phenyl-, 5-alkyl-2-alkyl-4-(2,4,6-substite<br>tri- carbopolycycle, hetero-acid)benzenesulfonate (1:1).   |
| P-22-0087  | 1 | 05/03/2022 | Hubergroup                       | (S) Binder for energy-curing printing inks   | (S) Fatty acids, C18-unsatd., dimers, polymers with acrylic acid,<br>bisphenol A, epichlorohydrin, oleic acid,<br>2,2'-[oxybis(methylene)]bis[2-ethyl-1,3-propanediol] and phthalia<br>anhydride   |
| P-22-0088  | 1 | 05/03/2022 | Hubergroup                       | (S) Binder for energy-curing printing inks   | (S) Fatty acids, C18-unsatd., dimers, polymers with acrylic acid, bisphenol A, epichlorohydrin, oleic acid, pentaerythritol and phth anhydride   |

| P-22-0089  | 4 | 05/10/2022 | Allnex USA<br>Inc.                 | (S) UV Cured resin for dry toner printing.                              | (G) Carboxylic acid substituted carbomonocycles, polymer with dialkyl-alkanediol and alkanediol, hydroxy-alkyl-oxo-alkenyl)oxy]alkyl ester |
|------------|---|------------|------------------------------------|---|--|
| P-22-0090  | 1 | 05/06/2022 | CBI                                | (G) Perfume,(G) Perfume   | (S) 4,8,11-Dodecatrienal   |
| P-22-0091  | 4 | 05/10/2022 | Allnex USA<br>Inc.                 | (S) UV Cured resin for dry toner printing.                              | (G) Alkanol, polymer with isocyanato-(isocyanatoalkyl)-<br>trialkylcarbomonocycle, alkylene glycol monoacrylate-blocked                    |
| P-22-0092  | 2 | 05/12/2022 | CBI                                | (G) coating material  | (G) Ferrous lithiophilite carbide  |
| P-22-0094  | 2 | 05/20/2022 | СВІ                                | (G) Contained use as a sputtering material.                             | (S) Cadmium tin oxide (Cd2SnO4)  |
| P-22-0095  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates   |
| P-22-0096  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates  |
| P-22-0097  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates  |
| P-22-0098  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates  |
| P-22-0099  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates  |
| P-22-0100  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates  |
| P-22-0101  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts   |
| P-22-0101A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts   |
| P-22-0102  | 1 | 05/18/2022 | Locus<br>Fermentation              | (G) Surfactant for consumer, industrial, commercial,                    | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts   |

|            |   |            | Solutions                          | applications  |  |
|------------|---|------------|------------------------------------|---|--|
| P-22-0102A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0103  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0103A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0104  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0104A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0105  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0105A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0106  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0106A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0107  | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |
| P-22-0107A | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceriand carbohydrates, salts |

| P-22-0108   | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri<br>and carbohydrates, salts   |
|-------------|---|------------|------------------------------------|--|--|
| P-22-0108A  | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0109   | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0109A  | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0110   | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0110A  | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0111   | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0111A  | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0112   | 1 | 05/18/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| P-22-0112A  | 2 | 05/23/2022 | Locus<br>Fermentation<br>Solutions | (G) Surfactant for consumer,<br>industrial, commercial,<br>applications                      | (G) Glycolipids, sophorose-contg., yeast-fermented, from glyceri and carbohydrates, salts  |
| SN-16-0013A | 4 | 05/17/2022 | CBI                                | (G) Surfactant   | (G) Polyfluorinated alkyl quaternary ammonium chloride   |
| SN-20-0003A | 9 | 05/13/2022 | СВІ                                | (S) An anionic<br>fluorosurfactant used in<br>firefighting foam<br>concentrates such as AFFF | (S) 1-Propanesulfonic acid, 2-methyl-2-[[1-oxo-3-<br>[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propyl]amino]-<br>sodium salt (1:1) |

|            |   |            |                                 | (Aqueous Film Forming<br>Foam) and AR-AFFF<br>(Alcohol Resistant Aqueous<br>Fim Forming Foam).                          |  |
|------------|---|------------|---------------------------------|---|--|
| SN-22-0004 | 1 | 04/29/2022 | HPC Holdings,<br>Inc.           | <ul><li>(S) Carrier Fluid for coating-<br/>type vapor degreaser,</li><li>Process Solvent (Closed<br/>Systems)</li></ul> | (S) Propane, 1,1,1,3,3,3-hexafluoro-2-methoxy-   |
| SN-22-0005 | 1 | 05/18/2022 | СВІ                             | (G) Dispersant polymer for coatings   | (G) Phenol-formaldehyde polymer with amino-oxirane copolyme nitrobenzoates,  |
| J-22-0014  | 1 | 05/05/2022 | СВІ                             | (G) Production of an alcohol  | (G) Modified yeast, chromosomally and stably modified to impro<br>fermentation performance   |
| J-22-0014A | 2 | 06/16/2022 | СВІ                             | (G) Production of an alcohol  | (G) Modified yeast, chromosomally and stably modified to impro<br>fermentation performance   |
| J-22-0015  | 1 | 05/05/2022 | СВІ                             | (G) Production of an alcohol  | (G) Modified yeast, chromosomally and stably modified to impro<br>fermentation performance   |
| J-22-0015A | 2 | 06/16/2022 | СВІ                             | (G) Production of an alcohol  | (G) Modified yeast, chromosomally and stably modified to impro<br>fermentation performance   |
| P-19-0154  | 3 | 06/03/2022 | CBI                             | (G) Intermediate in<br>production of a wetting<br>additive  | (G) Alkane Ester of Maleic Acid  |
| P-19-0160A | 5 | 06/14/2022 | CBI                             | (S) Component of a UV<br>curable printing ink   | (G) Alkanesulfonic acid, 2-[(2-aminoethyl)heteroatom-substituted<br>sodium salt (1:1), polymer with alpha-[2,2-bis(hydroxymethyl)bu<br>omega-methoxypoly(oxy-1,2-ethanediyl) and 1,1'-methylenebis[4<br>isocyanatocyclohexane], acrylic acid-dipenthaerythritol reaction<br>products- and polypropylene glycol ether with pentaerythritol (4:<br>triacrylate-blocked |
| P-20-0118A | 4 | 06/16/2022 | СВІ                             | (G) Additive in household consumer products   | (S) Pyridine, 4-methyl-2-pentyl-   |
| P-21-0043A | 4 | 06/06/2022 | Advanced<br>Polymer<br>Coatings | (S) Component in protective<br>coatings that provides<br>chemical resistance  | (G) Glycidyl ether of (formaldehyde, polymer with mixed phenol   |
| P-22-0014A | 4 | 06/06/2022 | CBI                             | (G) precursor   | (G) sodium bis(chloropropanediol) phosphate  |
| P-22-0050A | 3 | 06/15/2022 | CBI                             | (G) Lubricant   | (G) Alkene, alkoxy-, polymer with alkoxyalkene   |

| P-22-0068  | 2 | 06/23/2022 | Aditya Birla<br>Chemicals<br>(USA) LLC | (S) An epoxy component<br>used in a reaction with other<br>components to produce an<br>epoxy article.  | (S) 2-Propanamine, 1,1'-[(1-methylethylidene)bis(oxy)]bis-                          |
|------------|---|------------|--|--|---|
| P-22-0113  | 3 | 06/16/2022 | СВІ                                    | (G) Chemical intermediate,<br>Additive   | (S) D-Glucaric acid   |
| P-22-0114  | 3 | 06/22/2022 | CBI                                    | (G) Anode material,<br>Corrosion protection additive   | (G) edge oxidized carbon matrix   |
| P-22-0115  | 3 | 06/06/2022 | Cyclopure Inc.                         | (S) Filter media integrated<br>and encapsulated in block<br>filter articles and packed bed<br>filters for consumer,<br>industrial, and commercial<br>applications. | (G) Cyclodextrin, polymer with halocarbonitrile and quaternary ammonium salt        |
| P-22-0116  | 2 | 06/07/2022 | CBI                                    | (G) Monomer  | (G) Carbopolycycle octa-alkene, alkenylaryloxy-                                     |
| P-22-0116A | 3 | 06/14/2022 | CBI                                    | (G) Monomer  | (G) Carbopolycycle octa-alkene, alkenylaryloxy-                                     |
| P-22-0117  | 2 |            | 06/15/2022                             | CBI  | (G) Raw material in ceramic tiles production  |
| P-22-0118  | 2 |            | 06/16/2022                             | Elantas PDG, Inc.  | (S) RV9054 is an unsaturated polyester resin used as a diluent in finished product. |
| P-22-0119  | 2 | 06/16/2022 | CBI                                    | (G) Resin for packaging  | (G) Polyhydroxyalkanoate  |
| P-22-0120  | 2 | 06/16/2022 | СВІ                                    | (G) Resin for packaging materials  | (G) Polyhydroxyalkanoate  |
| P-22-0121  | 1 | 06/03/2022 | CBI                                    | (G) Process Intermediate:<br>New chemical substance will   | (G) polychloroalkene  |

|            |   |            |                      | be used as a process intermediate.   |   |
|------------|---|------------|----------------------|--|---|
| P-22-0122  | 1 | 06/08/2022 | Shin-ETSU<br>Microsi | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing  | (G) Heterotrisubstituted-bile acid, 1-(difluorosulfomethyl)-2,2,2-<br>trifluoroethyl ester, ion(1-), (5)-, 5-phenyldibenzothiophenium(1:  |
| P-22-0123  | 2 | 06/20/2022 | CBI                  | (G) Mineral processing aid   | (G) Propaneamine, 3-(alkyloxy)-, structural variants  |
| P-22-0123A | 3 | 06/25/2022 | CBI                  | (G) Mineral processing aid   | (G) Propaneamine, 3-(alkyloxy)-, structural variants  |
| P-22-0124  | 3 | 06/16/2022 | СВІ                  | (S) Site Limited Intermediate for final product.   | (G) Propanenitrile, 3-(alkyloxy)-, structural variance  |
| P-22-0124A | 4 | 06/25/2022 | СВІ                  | (S) Site Limited Intermediate for final product.   | (G) Propanenitrile, 3-(alkyloxy)-, structural variance  |
| P-22-0125  | 2 | 06/20/2022 | CBI                  | (G) corrosion inhibitor  | (G) Isononanoylamidocaproic Acid  |
| P-22-0126  | 1 | 06/10/2022 | Takasago             | (S) This polymer constitutes<br>the wall of microcapsules<br>containing fragrance that can<br>be used in different home-<br>care and personal-care<br>applications.                  | (S) Cellulose, polymer with 1,1'-[2-ethyl-2-[(3-mercapto-<br>1-oxopropoxy)methyl]-1,3-propanediyl] bis(3-mercaptopropanoa<br>and 1,2,3-propanetriol bis(2-methyl-2-propenoate), peroxydisulfu<br>acid ([(HO)S(O)2]2O2) ammonium salt (1:2)- and sodium (disulf<br>(2:1)-initiated |
| P-22-0126A | 2 | 06/21/2022 | Takasago             | (S) This polymer constitutes<br>the wall of microcapsules<br>containing fragrance that can<br>be used in different home-<br>care and personal-care<br>applications.                  | (S) Cellulose, polymer with 1,1'-[2-ethyl-2-[(3-mercapto-<br>1-oxopropoxy)methyl]-1,3-propanediyl] bis(3-mercaptopropanoa<br>and 1,2,3-propanetriol bis(2-methyl-2-propenoate), peroxydisulfu<br>acid ([(HO)S(O)2]2O2) ammonium salt (1:2)- and sodium (disulf<br>(2:1)-initiated |
| P-22-0127  | 1 | 06/14/2022 | СВІ                  | (S) The NCS is used as a developer in formulation to produce thermal paper.  | (S) Urea,N,N'-bis-[3-[[(4-methylphenyl)sulfonyl]oxy]phenyl]-  |
| P-22-0128  | 2 | 06/21/2022 | Resman USA<br>2      | (S) Chemical tracer for<br>production monitoring in oil<br>and gas wells,(S) Chemical<br>tracer for use in interwell<br>tracing between injector and<br>production oil and gas wells | (G) Alkyl cycloalkane, polyfluoro-  |

| P-22-0129   | 1 | 06/15/2022 | Shin-ETSU<br>Microsi            | (G) Contained use for<br>microlithography for<br>electronic device<br>manufacturing                            | (G) Substituted heterocyclic onium compound, salt with<br>heteropolysubstitutedalkyl substitutedtricycloalkane carboxylate (<br>polymer with 1-alkenyl-4-[(alkylcycloalkyl)oxy]carbomonocycle<br>5-ethyloctahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propen<br>hexahydro-5-oxo-2,6-methanofuro[3,2-b]furan-3-yl 2-methyl-<br>2-propenoate and 4-hydroxyphenyl 2-methyl-2-propenoate |
|-------------|---|------------|---------------------------------|--|---|
| P-22-0136   | 2 | 06/29/2022 | СВІ                             | (G) Functional mineral in<br>automotive components,and<br>plastics, lubricant in<br>industrial machinery parts | (G) Mica-group minerals, reaction products with triethoxylsilyl substituted-alkane  |
| P-22-0141   | 1 | 06/27/2022 | CBI                             | (S) Chemical intermediate  | (G) Perhaloalkene oligomer  |
| P-22-0142   | 1 | 06/28/2022 | CBI                             | (S) Heat transfer fluid  | (G) Benzene, [(perfluoroalken-1-yl)oxy]-  |
| P-22-0143   | 1 | 06/28/2022 | Huntsman<br>Corporation         | (S) Exhaust dyeing of cotton and cotton blends.  | (G) Acetamide, N-[3-[alkyl(carbomonocyclic)<br>substituted]carbomonocycle]-, coupled with diazotized 2- substitu<br>3-halo-5-nitrobenzonitrile,   |
| SN-22-0004A | 2 | 06/07/2022 | HPC Holdings,<br>Inc            | (S) Carrier Fluid for coating-<br>type vapor degreaser and<br>Process Solvent (Closed<br>Systems)              | (S) Propane, 1,1,1,3,3,3-hexafluoro-2-methoxy-  |
| SN-22-0006  | 2 | 06/14/2022 | MacDermid<br>Enthone Inc.       | (G) Catalyst (contained use)   | (S) Tungstate (W12(OH)2O386-), sodium (1:6)   |
| SN-22-0007  | 2 | 06/14/2022 | Braven<br>Environmental,<br>LLC | (G) Product of Pyrolysis manufacturing.  | (S) Waste plastics, pyrolyzed, C5-12 fraction   |
| SN-22-0008  | 2 | 06/14/2022 | Braven<br>Environmental,<br>LLC | (G) Product of Pyrolysis<br>Manufacturing.   | (S) Waste plastics, pyrolyzed, C20-55 fraction  |
| SN-22-0009  | 2 | 06/14/2022 | Braven<br>Environmental,<br>LLC | (G) Product of Pyrolysis<br>Manufacturing.   | (S) Waste plastics, pyrolyzed, C9-20 fraction   |