United States
Environmental Protection
Agency

Prevention, Pesticides
And Toxic Substances
(7508W)

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EPA R.E.D. FACTS

Mineral Acids

Pesticide Reregistration

All pesticides sold or distributed in the United States must be registered by EPA, based on scientific studies showing that they can be used without posing unreasonable risks to people or the environment. Because of advances in scientific knowledge, the law requires that pesticides which were first registered years ago be reregistered to ensure that they meet today's more stringent standards.

In evaluating pesticides for reregistration, EPA obtains and reviews a complete set of studies from pesticide producers, describing the human health and environmental effects of each pesticide. The Agency imposes any regulatory controls that are needed to effectively manage each pesticide's risks. EPA then reregisters pesticides that can be used without posing unreasonable risks to human health or the environment.

When a pesticide is eligible for reregistration, EPA announces this and explains why in a Reregistration Eligibility Decision (RED) document. This fact sheet summarizes the information in the RED for the case mineral acids, which contains the active ingredients hydrogen chloride, phosphoric acid, sodium bisulfate, and sulfuric acid.

Use Profile

The four pesticide active ingredients that comprise the mineral acids reregistration case are used as tuberculocides, disinfectants, sanitizers, virucides, fungicides, desiccants and antimicrobials. **Hydrogen chloride** is used as a disinfectant for bathroom, commercial, industrial, institutional, hospital, laboratory, morgue, refuse, cafeteria and veterinary premises, on surgical instruments, animal cages, swimming pool tile and drinking fountains, and for dishes, glassware and utensils. **Phosphoric acid** is used as an antimicrobial in industrial processing water, empty mushroom houses, food and dairy premises and processing plant equipment, animal kennels, hospitals and morgues, and bathroom premises. **Sodium bisulfate** is used as a disinfectant for toilet bowls. **Sulfuric acid** is used as a desiccant on potato crops, and as a sanitizer for food processing and dairy facilities, equipment and utensils. Sulfuric acid is the largest volume chemical produced in the United States, and is used primarily for non-pesticidal purposes.

These active ingredients are formulated as emulsifiable, soluble and solid concentrates, ready-to-use liquids, pellets/tablets, solids and impregnated material.

Regulatory History

The mineral acids were first registered as pesticides in the United States during the 1950s. Currently, 212 products are registered which contain the mineral acids as active ingredients.

Human Health Assessment

Toxicity

All four of the mineral acids are corrosive to the eyes and all except sodium bisulfate are corrosive to the skin; they have been placed in Toxicity Category I indicating the greatest degree of acute toxicity for eye and dermal irritation effects. Sulfuric acid also is extremely acutely toxic by the inhalation route, and has been placed in Toxicity Category I for inhalation effects. The mineral acids otherwise are moderately acutely toxic, and are placed in Toxicity Category III (on a scale of I to IV) for acute oral and dermal effects. (Sulfuric acid, however, is placed in Toxicity Category II for acute oral toxicity.)

Dietary Exposure

Sulfuric acid is the only mineral acid that has a registered food use, that is, application to potato vines five or more days prior to harvest to desiccate the vines and make harvesting less difficult. Sulfuric acid is exempt from the requirement of a tolerance for this use. Sulfuric acid was granted an exemption from tolerance requirements because it is rapidly degraded in the environment to sulfate salts, which are of no toxicological concern and are Generally Recognized as Safe (GRAS) by the Food and Drug Administration. There are no human dietary concerns associated with the potato vine use of sulfuric acid.

Occupational and Residential Exposure

Hydrogen chloride and phosphoric acid, which are used mainly as antimicrobials to sanitize food and dairy processing plants, are applied as wipe-on surface treatments, sprays, and circulate in place (CIP) treatments. Sodium bisulfate, used as a disinfectant, is a solid soluble concentrate which is brushed/swabbed onto the interior surfaces of toilet bowls. Sulfuric acid, like the first two chemicals, is used to sanitize milk lines and food processing surfaces by wipe-on and CIP treatments. In addition, concentrated sulfuric acid (93%) is used to desiccate potato vines prior to harvest. A Restricted Use Pesticide, it is applied by certified applicators using special ground boom type equipment.

When the four mineral acids are used as antimicrobials, only dilute solutions are applied to surfaces. Because the chemicals are applied at low concentrations, mixer/loader/applicator exposure both during and post-application is likely to be negligible.

The use of concentrated sulfuric acid as a potato vine desiccant may result in dermal and inhalation exposure of workers, during and after treatment, potentially causing severe irritation to mucous membranes and

skin. To avoid these effects, product labels must be updated to require adequate personal protective equipment. In addition, the registrant must explain the basis for the existing 5-day reentry interval, and demonstrate that it is sufficiently protective to post-application workers.

Human Risk Assessment

The four mineral acids pose no human dietary risks. People may be exposed to these chemicals when they are used as antimicrobials, however this exposure involves such dilute solutions that it is believed to be inconsequential. The use of concentrated sulfuric acid as a potato desiccant results in high potential for worker exposure and risk. EPA is maintaining the existing 5-day reentry interval into treated potato fields, and is requesting a rationale for this interval. In addition, labels must be updated to require use of adequate personal protective equipment and clothing, as specified in the Worker Protection Standard.

Environmental Assessment

EPA has predicted the environmental fate of the mineral acids in the environment using commonly available sources of information, as well as basic chemistry. The Agency is not able to determine, at this time, if the use of sulfuric acid as a desiccant on potato vines is eligible for reregistration. The Agency is concerned about the risk to terrestrial wildlife, and is not aware of any acceptable methods to mitigate the risk. In order to determine its eligibility, the Agency will be assessing the benefits of sulfuric acid for this use. Once this is done, the Agency will make a finding of whether this use is eligible for reregistration and whether any further regulatory action is required.

Environmental Fate

The mineral acids generally dissociate and release hydrogen ions in the environment, thus increasing the pH of soil or water.

Ecological Effects

For all mineral acids and uses except the use of sulfuric acid as a potato vine desiccant, adequate information is available to predict the effects on living organisms, so all normally required avian and aquatic studies were waived. If the mineral acids, diluted or undiluted, came into contact with birds, they would cause severe dermal toxicity to areas not covered by feathers. All of the mineral acids pose a potential hazard to the aquatic environment, due to their ability to change the pH of receiving waters. Such changes in pH can have serious adverse effects on fish.

Ecological Effects Risk Assessment

Avian species are at risk from direct exposure to mineral acids, and such exposure must be avoided. Mineral acids also can cause significant changes in pH, which are harmful to aquatic species and also must be avoided. These exposures also may be harmful to endangered species.

The risks posed by the mineral acids will be mitigated by product labeling, as specified in the RED document.

The use of sulfuric acid as a desiccant on potato vines, however, poses significant hazard to birds and other terrestrial wildlife. Since there are no known practical mitigation measures, this use is not eligible for reregistration, at this time.

Additional Data Required

EPA is requiring product-specific data, including product chemistry and acute toxicity studies, as well as revised Confidential Statements of Formula (CSF) and revised labeling, for reregistration of products containing the mineral acids.

Product Labeling Changes Required

All end-use mineral acid products must comply with EPA's current pesticide labeling requirements. In addition:

○ **Compliance with Worker Protection Standard (WPS)** - Products used in the production of an agricultural plant or on any agricultural establishment (farm, forest, nursery or greenhouse) must comply with the labeling requirements of:

- PR Notice 93-7, "Labeling Revisions Required by the Worker Protection Standard (WPS)," and
- PR Notice 93-11, "Supplemental Guidance for PR Notice 93-7."

Unless specifically directed in the RED, all statements required by these two PR Notices must appear on product labeling exactly as instructed in the Notices. Labels must be revised by April 21, 1994, for products distributed or sold by the primary registrant or supplementally registered distributors, and by October 23, 1995, for products distributed or sold by anyone.

○ **Personal Protective Equipment and Reentry Requirements** - Sulfuric acid, when used as a potato vine desiccant, has a potential for dermal and inhalation exposure to mixer/loader/applicators both during and after application. The current label allows for post-application reentry of workers when wearing appropriate personal protective clothing and equipment. Otherwise post-application reentry is not permitted for 5 days. The posting of notices when fields are treated is required.

○ **Effluent Discharge Statement** - All end-use and manufacturing use products that may be contained in an effluent discharged to the waters of the United States must bear the following statement:

> "Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying

the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."

- **Wildlife Protection Statement** - Products containing hydrogen chloride or phosphoric acid and used in swimming pools must bear the following statement:

  "This pesticide is toxic to wildlife. Do not contaminate water when disposing of equipment wash water or rinsate."

Regulatory Conclusion

The use of currently registered pesticide products containing mineral acids, except use of sulfuric acid as a desiccant on potato vines, in accordance with approved labeling will not pose unreasonable risks or adverse effects to humans or the environment. Therefore, all uses of these products are eligible for reregistration.

These products will be reregistered once the required product specific data, revised Confidential Statements of Formula and revised labeling are received and accepted by EPA. Products which also contain other active ingredients will be reregistered after the other active ingredients also are determined to be eligible for reregistration.

The use of sulfuric acid on potato vines will be subject to further assessment of its benefits for this use. Once this is done, the Agency will make a finding of whether this use is eligible and whether any further regulatory action is required.

For More Information

EPA is requesting public comments on the Reregistration Eligibility Decision (RED) document for Mineral Acids during a 60-day time period, as announced in a Notice of Availability published in the Federal Register. To obtain a copy of the RED or to submit written comments, please contact the Pesticide Docket, Public Response and Program Resources Branch, Field Operations Division (7506C), Office of Pesticide Programs (OPP), US EPA, Washington, DC 20460, telephone 703-305-5805.

Following the comment period, the Mineral Acids RED will be available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, telephone 703-487-4650.

For more information about EPA's pesticide reregistration program, the Mineral Acids RED, or reregistration of individual products containing mineral acids, please contact the Special Review and Reregistration Division (7508W), OPP, US EPA, Washington, DC 20460, telephone 703-308-8000.

For information about the health effects of pesticides, or for assistance in recognizing and managing pesticide poisoning symptoms, please contact the National Pesticides Telecommunications Network (NPTN). Call toll-free 1-800-858-7378, between 8:00 am and 6:00 pm, Central Time, Monday through Friday.

REREGISTRATION ELIGIBILITY DECISION

MINERAL ACIDS

LIST D

CASE 4064

ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDE PROGRAMS
SPECIAL REVIEW AND REREGISTRATION DIVISION

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GLOSSARY OF TERMS AND ABBREVIATIONS

a.i.	Active Ingredient
CAS	Chemical Abstracts Service
CSF	Confidential Statement of Formula
EEC	Estimated Environmental Concentration. The estimated pesticide concentration in an environment, such as a terrestrial ecosystem.
EP	End-Use Product
EPA	U.S. Environmental Protection Agency
FDA	Food and Drug Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FFDCA	Federal Food, Drug, and Cosmetic Act
GRAS	Generally Recognized As Safe as designated by FDA
HDT	Highest Dose Tested
LC_{50}	Median Lethal Concentration. A statistically derived concentration of a substance that can be expected to cause death in 50% of test animals. It is usually expressed as the weight of substance per weight or volume of water, air or feed, e.g., mg/l, mg/kg or ppm.
LD_{50}	Median Lethal Dose. A statistically derived single dose that can be expected to cause death in 50% of the test animals when administered by the route indicated (oral, dermal, inhalation). It is expressed as a weight of substance per unit weight of animal, e.g., mg/kg.
LD_{lo}	Lethal Dose-low. Lowest Dose at which lethality occurs
LEL	Lowest Effect Level
LOEL	Lowest Observed Effect Level
MP	Manufacturing-Use Product
MPI	Maximum Permissible Intake

GLOSSARY OF TERMS AND ABBREVIATIONS

MOE	Margin Of Exposure (PAD)
MRID	Master Record Identification (number). EPA's system of recording and tracking studies submitted.
N/A	Not Applicable
NPDES	National Pollutant Discharge Elimination System
NOEL	No Observed Effect Level
OPP	Office of Pesticide Programs
PADI	Provisional Acceptable Daily Intake
ppm	Parts Per Million
Q^*_1	The Carcinogenic Potential of a Compound, Quantified by the EPA's Cancer Risk Model
RED	Reregistration Eligibility Decision
RfD	Reference Dose
RS	Registration Standard
TD	Toxic Dose. The dose at which a substance produces a toxic effect.
TC	Toxic Concentration. The dose at which a substance produces a toxic effect.
TMRC	Theoretical Maximum Residue Contribution.

EXECUTIVE SUMMARY

This Reregistration Eligibility Decision (RED) addresses pesticide uses of hydrogen chloride, phosphoric acid, sodium bisulfate, and sulfuric acid in the chemical case mineral acids. Products containing these active ingredients are used as tuberculocides, disinfectants, sanitizers, virucides, fungicides, desiccants, and antimicrobials. Registered use sites include commercial and industrial water cooling tower systems, swimming pool water systems, eating establishments, eating establishment equipment/utensils, food processing plant equipment, animals (laboratory/research/commercial/institutional) premise treatment, bathroom premises/hard surfaces, refuse/solid waste sites, toilet bowls, urinals, a variety of disinfectant and cleaning uses (hospital, agricultural, dairy), and mushroom houses. The mineral acid active ingredients are formulated as emulsifiable concentrates, soluble concentrates/liquids, and liquid-ready to use products.

The U.S. Environmental Protection Agency has determined that, except for the sulfuric acid potato vine desiccant use, the uses of these four active ingredients as currently registered will not cause unreasonable risk to humans or the environment and these uses are eligible for reregistration. The Agency is not able to determine, at this time, if the use of sulfuric acid as applied to potato vines is eligible for reregistration. The Agency is concerned about the risk to terrestrial wildlife and is not aware of any acceptable methods to mitigate the risk. In order to determine its eligibility, the Agency will be assessing the benefits of sulfuric acid for this use. Once this is done, the Agency will make a finding of whether this use is eligible for reregistration and whether any further regulatory action is required.

Before reregistering the products containing these mineral acids, the Agency is requiring that product specific data, revised Confidential Statements of Formula (CSF) and revised labeling be submitted within eight months of the issuance of this document. These data include product chemistry for each registration and acute toxicity testing. After reviewing these data and any revised labels and finding them acceptable in accordance with Section 3(c)(5) of FIFRA, the Agency will reregister a product. Those products which contain other active ingredients will be eligible for reregistration only when the other active ingredients are determined to be eligible for reregistration.

I. INTRODUCTION

In 1988, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) was amended to accelerate the reregistration of products with active ingredients registered prior to November 1, 1984. The amended Act provides a schedule for the reregistration process to be completed in nine years. There are five phases to the reregistration process. The first four phases of the process focus on identification of data requirements to support the reregistration of an active ingredient and the generation and submission of data to fulfill the requirements. The fifth phase is a review by the U.S. Environmental Protection Agency (referred to as "the Agency") of all data submitted to support reregistration.

FIFRA Section 4(g)(2)(A) states that in Phase 5 "the Administrator shall determine whether pesticides containing such active ingredient are eligible for registration" before calling in data on products and either reregistering products or taking "other appropriate regulatory action." Thus, reregistration involves a thorough review of the scientific data base underlying a pesticide's registration. The purpose of the Agency's review is to reassess the potential hazards arising from the currently registered uses of the pesticide; to determine the need for additional data on health and environmental effects; and to determine whether the pesticide meets the "no unreasonable adverse effects" criterion of FIFRA.

This document presents the Agency's decision regarding the reregistration eligibility of the registered uses of hydrogen chloride, phosphoric acid, sodium bisulfate, and sulfuric acid in the chemical case mineral acids. The document consists of six sections. Section I is the introduction. Section II describes these mineral acids, their uses, data requirements and regulatory history. Section III discusses the human health and environmental assessment based on the data available to the Agency. Section IV presents the reregistration decision for mineral acids. Section V discusses the reregistration requirements for mineral acids. Finally, Section VI is the Appendices which support this Reregistration Eligibility Decision. Additional details concerning the Agency's review of applicable data are available on request.

II. CASE OVERVIEW

A. Chemical Overview

The following active ingredients are covered by this Reregistration Eligibility Document:

1. **Chemical Name:** Hydrogen chloride

   - **Chemical Family:** Inorganic acid
   - **CAS Registry Number:** 7647-01-0
   - **OPP Chemical Code:** 045901
   - **Empirical Formula:** HCl
   - **Trade and Other Names:** Hydrochloric acid

2. **Chemical Name:** Phosphoric acid

   - **Chemical Family:** Inorganic acid
   - **CAS Registry Number:** 7664-38-2
   - **OPP Chemical Code:** 076001
   - **Empirical Formula:** H_3PO_4
   - **Trade and Other Names:** Orthophosphoric acid
     Phosphorous oxide

3. **Chemical Name:** Sodium bisulfate

   - **Chemical Family:** Inorganic acid
   - **CAS Registry Number:** 7681-38-1
   - **OPP Chemical Code:** 073201
   - **Empirical Formula:** $HNaO_4S$
   - **Trade and Other Names:** Sodium acid sulfate, Sodium hydrogen sulfate, and Sodium pyrosulfate

4. **Chemical Name:** Sulfuric acid

- **Chemical Family:** Inorganic acid
- **CAS Registry Number:** 7664-93-9
- **OPP Chemical Code:** 078001
- **Empirical Formula:** H_2SO_4
- **Trade and Other Names:** Oil of vitriol

B. Use Profile

The following is information on the current registered uses with an overview of use sites and application methods. A detailed table of these uses of hydrogen chloride, phosphoric acid, sodium bisulfate, and sulfuric acid is in Appendix A.

1. For Hydrogen chloride:

Type of Pesticide:

Tuberculocide, disinfectant (bactericide/germicide/purifier, limited, general or broad-spectrum, hospital or medical), sanitizer, virucide, fungicide/fungistat, and microbicide/microbiostat (slime-forming bacteria)

Use Sites:

Indoor non-food - Animals (Laboratory/Research)*, animal kennels/sleeping quarters (commercial), commercial/institutional/industrial premises/equipment (indoor), commercial storage/warehouse premises indoor), commercial transportation facilities-nonfeed/nonfood, donkeys*, eating establishments food handling areas (non-food contact), eating establishments food serving areas (non-food contact), eating establishments non-food areas (non-food contact), fox*, goats (wool/angora animal)*, horses (show/race/special/ponies)*, laundry equipment, mink*, mules (work)*, nutria*, rabbits*, sheep*, specialized animals*, tobacco processing plant premises/equipment

*Animal equipment and premise treatment.

Aquatic non-food residential - Swimming pool water systems [water-related surface treatment]

Indoor food - Dairies/cheese processing plant premises (non-food contact), eating establishments, eating establishment equipment/utensils (food contact), feed mills/feed processing plants**, fish/seafood processing plant premises (non-food contact), food catering facilities premises, food dispensing equipment/vending machines**, food/grocery/marketing/storage/distribution facility premises, food marketing/storage/distribution equipment/utensils (food contact)**, food processing plant equipment (food contact), food processing plant premises (non-food contact), meat/fish market premises, meat processing plant premises (non-food contact), poultry processing plant premises (non-food contact)

**For use on non-food contact surfaces only.

Indoor medical - Barber/beauty shop equipment (barber chairs/cabinets), barber/beauty shop instruments (shavers/scissors), cuspidors/spittoons, hospital/medical institution premises (human/veterinary), hospital conductive floors, hospital/medical institution critical premises (burn wards), hospital/medical institution noncritical premises, hospital/medical institution patient premises, hospital critical items (surgical instruments/pacemakers), hospital janitorial equipment, hospital semicritical items (catheters/inhalation equipment), hospital noncritical items (bedpans/furniture), morgues/mortuaries/autopsy/embalming room premises, morgues/mortuaries/autopsy/embalming equipment, morgues/mortuaries/autopsy/embalming instruments

Indoor residential - bathroom premises/hard surfaces, household trash compactor/food disposals, incinerators, portable/chemical toilets/latrine buckets, refuse/solid waste containers (garbage cans), refuse/solid waste sites (indoor), refuse/solid waste transportation facilities/handling equipment, toilet bowls (interior surfaces), toilet tanks/water closets water, urinals (interior surfaces), vehicular holding tanks

Target Pests:

Mycobacterium tuberculosis, Staphylococcus aureus, Pseudomonas aeruginosa, Klebsiella pneumoniae, Escherichia coli, Streptococcus faecalis, Shigella dysenteriae, Shigella flexneri, Shigella sonnei, Salmonella typhi, Salmonella cholerasuis, Salmonella typhimurium, Proteus vulgaris, Enterobacter aerogenes, Enterobacter faecalis, Serratia marcescens, Trichophyton interdigitale, HIV-1 (AIDS virus), Influenza A2 virus, *Herpes simplex*, Type 1 polio virus, Canine parainfluenza virus, and Canine reovirus.

Formulation Types Registered:

Type: End use

Form: Emulsifiable concentrate, soluble concentrate/liquid, liquid - ready to use

Method and Rates of Application:

Types of Treatment

Indoor non-food - Disinfectant for laboratory animal, donkey, fox, goat, horse, mink, mules, nutria, rabbit, sheep, and zoo animal premises - animal equipment treatment, premise treatment, surface treatment - 90,000 to 237,000 ppm a.i. by weight; 10 ppm a.i. by volume (for laboratory animal premises only).
Disinfectant for animal kennels, warehouses, vehicles, commercial and industrial premises and equipment, laundry equipment, and eating establishment non-food areas - mop, scrub, sponge-on, surface treatment, swab, transportation vehicle treatment, brush-on, wipe-on - 90,000 to 237,000 ppm a.i. by weight; 30,000 ppm a.i. by volume.

Aquatic non-food residential - Disinfectant for swimming pool tile - water-related surface treatment - 47,500 ppm a.i. by weight.

Indoor food - Disinfectant for eating establishment premises and equipment/ utensils, food processing plant equipment - premise treatment, immersion, mop, spray - 5 to 86 ppm a.i. by volume.
Disinfectant for non-food contact areas of meat and fish markets, food processing plants, dairy processing plants, feed mills, meat processing plants, poultry processing plants, seafood processing plants, catering facilities, food dispensing equipment and vending machines, and food marketing, storage, and distribution equipment -brush-on, mop, scrub, sponge-on, surface treatment, swab, wipe-on -90,000 to 237,000 ppm a.i. by weight; 30,000 ppm a.i. by volume.

Indoor medical - Disinfectant for barber and beauty shop equipment and instruments, cuspidors and spittoons, hospital janitorial equipment, hospital noncritical items, hospital critical and noncritical premises, hospital patient premises, embalming equipment and instruments, and morgues - mop, scrub, sponge-on, surface treatment, swab, wipe-on, immersion - 90,000 to 237,000 ppm a.i. by weight; 5 to 10 ppm a.i. by volume.
Disinfectant for hospital conductive floors - premise treatment - 5 ppm a.i. by volume.

Disinfectant for hospital critical items - immersion - 30 ppm a.i. by volume.
Disinfectant for hospital semicritical items - not on label - 5 ppm a.i. by volume.

Indoor residential - Disinfectant for trash compactors, food disposals, incinerators, portable toilets, garbage cans, refuse transportation and handling equipment, and vehicular holding tanks - mop, scrub, sponge-on, swab, wipe-on, surface treatment - 90,000 to 237,000 ppm a.i. by weight.
Disinfectant for bathroom surfaces - brush-on, mop, not on label, pour-on, premise treatment, scrub, sponge-on, surface treatment, swab, wipe-on - 85000 to 237000 ppm a.i. by weight; 5 to 30000 ppm a.i. by volume.
Porous surfaces - 6000 ppm a.i. by volume.
Disinfectant for toilets and urinals - brush-on, flush treatment, mop, not on label, pour-on, sponge-on, surface treatment, swab, scrub - 47100 to 260000 ppm a.i. by weight; 117 to 24687 ppm a.i. by volume.
Disinfectant for toilet tanks - surface treatment - 90,000 ppm a.i. by weight.

Equipment - Brush, mop, tank, sprayer, sponge, swab, cloth, package applicator, bowl mop, not on label.

Method and Rate - See Types of Treatment.

Timing - Not specified.

Use Practice Limitations:

Some solutions have a rich amber color and as long as the color remains, germicidal action is assured. Once the color has disappeared, the solution should be made fresh. Do not use on marble or resilient tile floors, enamel surfaces, or chrome or nickel-plated plumbing fixtures. Do not use with bleach.

2. For Phosphoric acid

Type of Pesticide: Antimicrobial

Mechanism of Action: Acidifies, thus preventing or delaying growth of target organisms

Use Sites:

Aquatic nonfood industrial - Industrial processing water

Greenhouse food crop - Mushroom houses-empty premises/equipment

Indoor food - Agricultural/farm premises, dairies/cheese processing plant equipment, dairy farm milk handling facilities/equipment, dairy farm milking equipment, eating establishments premises/equipment/ utensils, egg handling equipment and washing treatments, food dispensing equipment, food marketing/storage/distribution equipment/utensils, food processing plant equipment/premises, human drinking water systems, livestock, meat processing plant equipment/premises, poultry, poultry drinking water, poultry processing plant equipment/premises

Indoor nonfood - Agricultural/farm equipment, animal kennel/sleeping quarters, commercial/institutional/industrial premises/equipment, eating establishment and food serving areas, egg plants/hatcheries, mushroom houses-empty premises/equipment

Indoor medical - Hospital critical/semicritical/noncritical items/floors, hospitals critical/noncritical/patient premises, hospitals/medical institutions premises, morgues/mortuaries equipment/premises

Indoor residential - Bathroom premises, pet living/sleeping quarters, refuse/solid waste containers, toilet bowls/urinals

Target Pests:

Staphylococcus aureus, Escherichia coli, Mycobacterium tuberculosis, Streptococcus pyogenes, Streptococcus faecalis, Streptococcus salivarius, Corynebacterium diptheriae, Salmonella choleraesuis, Salmonella paratyphi, Salmonella schottmuelleri, Neisseria elongata, Acinetobacter calcoaceticus, Shigella dysenteriae, Enterobacter aerogenes, Proteus vulgaris, Proteus mirabilis, Pseudomonas aeruginosa, Pseudomonas cepacia, Klebsiella pneumoniae, Serratia marcescens, Staphylococcus aureus (penicillin resistant), *Bacillus subtilis* spores, *Clostridium tetani* spores, *Clostridium sporogenes* spores, *Herpes simplex*, Influenza A_2 (Asian), *Candida albicans, Trichophyton mentagrophytes, Aspergillus niger, Salmonella typhosa* (ATCC 6539), *Escherichia coli,* (ATCC 11229), *Listeria monocytogenes* (ATCC No. 15313), *Staphylococcus aureus,* (ATCC 6538), *Herpes simplex* type 1, Influenza A2, influenza A2/Hong Kong, Newcastle disease, vaccinia, adenovirus types 2 and 3, Human Immunodeficiency virus type I (AIDS virus), odor causing bacteria, mildew and pathogenic fungi (*Trichophyton mentagrophytes,*

Trichophyton interdigitale, athlete's foot fungi), mold; bacteria and algae, slime-forming bacteria and fungi, foulbrood disease, *Mycobacterium* spp., polioviruses, lipophilic viruses.

Formulation Types Registered:

Single Active Ingredient Products
Pelleted/tableted--0.13%
Soluble concentrate/liquid--15 to 75.5%
Liquid ready to use--25%

Multiple Active Ingredient (a.i.) Products
Impregnated material--2% + 1 other a.i.
Solid concentrate/liquid--0.632 to 57% + 1 to 4 other a.i.
Liquid ready to use--0.85 to 45% + 1 other a.i.
Solid concentrate/solid--29.3% + 1 other a.i.

Methods and Rates of Application:

Aquatic nonfood industrial - Industrial processing water 35-250 ppm a.i. by vol

Greenhouse food crop -Mushroom houses-empty premises/equipment 150 ppm a.i. by vol

Indoor food - Agricultural/farm premises: 625 ppm a.i. by vol; dairies/cheese processing plant equipment: 146 ppm a.i. by weight, 106 - 3000 ppm a.i. by vol; dairies/cheese processing plant premises: 148 - 619 ppm a.i. by vol; dairy farm milk handling facilities/equipment: 94 - 4688 ppm a.i. by vol; dairy farm milking equipment: 47 - 4688 ppm a.i. by vol, eating establishments premises/equipment/utensils: 73 - 146 ppm a.i. by weight, 106 - 3516 ppm a.i. by vol; egg handling equipment: 148 ppm a.i. by vol; egg washing treatments: 293 ppm a.i. by vol; food dispensing equipment: 732 - 3516 ppm a.i. by vol; food marketing/storage/distribution equipment/utensils: 625 ppm a.i. by vol; food processing plant equipment: 146 ppm a.i. by weight, 25 - 3516 ppm a.i. by vol; food processing plant premises: 625 - 750 ppm a.i. by vol; human drinking water systems (specific site is drinking fountains): 66,666 ppm a.i. by vol, human drinking water systems - water softener salt: 202,561 ppm a.i. by vol, water softener resin beds: 1300 ppm by weight; livestock (housing and equipment): 638 ppm a.i. by vol; meat processing plant equipment: 125 - 2637 ppm a.i. by vol; meat processing plant premises: 527 - 625 ppm a.i. by vol; poultry (housing and equipment): 625 - 638 ppm a.i by vol; poultry drinking water: 125 ppm a.i by vol; poultry processing plant equipment: 125 - 2637 ppm a.i. by vol; poultry

processing plant premises: 527 - 625 ppm a.i. by vol.

Indoor nonfood - Agricultural/farm equipment: 625 - 3750 ppm a.i. by vol; animal kennel/sleeping quarters: 527 ppm a.i. by vol; commercial/institutional/industrial premises/equipment: 305 - 1500 ppm a.i. by vol; eating establishment and food serving areas: 146 ppm a.i. by weight; egg handling equipment: 527 ppm a.i. by vol; egg plants/hatcheries/brooder rooms/shoe baths: 527 - 3750 ppm a.i. by vol; mushroom houses-empty premises/equipment: 449 ppm a.i. by vol.

Indoor medical - Hospital conductive floors: 625 - 738 ppm a.i. by vol; hospital critical items: 309 - 879 ppm a.i. by vol, 85,000 ppm a.i. by weight; hospital semicritical items: 703 - 2125 ppm a.i. by vol, 85,000 ppm a.i. by weight; hospital noncritical items: hospital non-conductive floors: 250 - 1328 ppm a.i. by vol; hospitals critical premises: 335 - 1328 ppm a.i. by vol; hospital noncritical premises: 879 - 1500 ppm a.i. by vol; hospital patient premises: 638 - 1500 ppm a.i. by vol; hospitals/medical institutions premises: 305 - 1500 ppm a.i. by vol, 120,000 ppm a.i. by weight; morgues/mortuaries equipment/premises: 750 - 1328 ppm a.i. by vol.

Indoor residential - Bathroom premises: 531 - 82000 ppm a.i. by vol, 32000 - 146200 ppm a.i. by weight; pet living/sleeping quarters: 305 ppm a.i. by vol; refuse/solid waste containers: 750 ppm a.i. by vol; toilet bowls: 1403 - 20833 ppm a.i. by vol, 21000 - 450000 ppm a.i. by weight; urinals: 664 - 18750 ppm a.i. by vol, 21000 - 450000 ppm a.i. by weight

Use Practice Limitations: None

3. For Sodium bisulfate

Type of Pesticide: Disinfectant

Use Sites: Indoor residential - Interior surfaces of toilet bowls

Target Pests: Household and Odor-causing bacteria, *Staphylococcus spp.*

Formulation Types Registered:

Type: End use

Form: Solid soluble concentrate

Method and Rates of Application:

Types of treatment: Sprinkle

Equipment: Brush, Swab

Timing: As needed

Rate of application: From 30400 up to 49248 ppm a.i. by weight

Use Practices Limitations: None

4. For Sulfuric acid

Type of Pesticide: Sanitizer, desiccant

Mechanism of Action: Acidifies

Use Sites:

Terrestrial food + feed crop - White potato

Indoor food - Dairy/cheese processing plant equipment, dairy farm milking equipment and milk handling facilities/equipment, eating establishments equipment/utensils, food marketing/storage/distribution equipment/utensils, food processing plant equipment

Target Pests: Animal pathogenic bacteria (sanitizer use)

Formulation Types Registered:

Single Active Ingredient Products
Liquid ready to use--93% (desiccant use)

Multiple Active Ingredient (a.i.) Products
Soluble concentrate/liquid--9.5% + 4 other a.i. (sanitizer use)

Methods and Rates of Application:

Liquid ready to use - At preharvest of potatoes, apply desiccation treatment at 285 to 391 lbs a.i./acre.

Soluble concentrate/liquid - Circulate-in-place or equipment treatment at 1 fl oz product/6 gal water for a minimum contact time of 2 min.

Use Practices Limitations: Do not apply within 5 days of harvest of potatoes.

C. Regulatory History

Phosphoric acid and hydrogen chloride were registered in the United States as sanitizers and disinfectants as early as 1958. There are currently 91 phosphoric acid products and 62 hydrogen chloride products registered for use in or on agricultural premises, food establishments, commercial/institutional/residential locations, and hospital/medical institutions on a variety of hard surfaces such as urinals/toilets, mushroom houses, dairy equipment, food processing equipment, etc. in indoor and outdoor applications.

Sodium bisulfate was registered in the U.S. as a sanitizer and disinfectant in 1968. There are currently 12 products registered in the U.S. All of these products are registered for use as toilet bowl cleaners/sanitizers.

Sulfuric acid was registered as a desiccant/herbicide in the U.S. as early as 1971. Sulfuric acid was exempted from a residue tolerance requirement for this use (40 CFR § 180.1019). A food processing sanitizer emulsion product utilizing sulfuric acid in combination with other acids was registered in 1992. (FFDCA, § 178.1010 (b)(c), amended 1992.) There are currently six products registered for agricultural uses (desiccant/herbicide), and one product (in combination with other active ingredients) registered as a sanitizer.

Historically, certain phosphoric acid products and certain other liquid chemical germicides have been regulated both as pesticides under the FIFRA and as devices under the FFDCA. In an effort to resolve the confusion and burden of dual regulation, a Memorandum of Understanding (MOU) was signed on June 4, 1993 between EPA and the Food and Drug Administration (FDA). The objectives of the MOU are to (1) stimulate both Agencies to undertake rulemaking to permanently vest exclusive jurisdiction for certain categories of chemical germicides in each Agency and (2) serve as interim guidance designed to minimize duplicative regulatory requirements between the two Agencies until the rulemaking is complete.

The MOU separates the liquid chemical germicides into the following two categories based on their use patterns and efficacy claims: (1) sterilants and (2) general purpose disinfectants. Sterilants, under this agreement, refer to those chemical germicides used to reprocess reusable critical and semicritical devices as defined by the Centers for Disease Control (CDC). Critical devices are devices that are introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body. Semicritical devices are those which contact intact mucous

membranes but which do not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. General disinfectants are defined as all remaining types of public health liquid chemical germicides bearing non-sterilant claims for use on non-critical surfaces.

The MOU outlines the future separate regulation of liquid chemical germicides as either pesticides under FIFRA or devices under FFDCA by granting each Agency primary jurisdiction over one of the two categories. All products which bear sterilant label claims and can be used on critical or semicritical surfaces will be regulated by FDA as devices. In addition, many sterilant products have claims which correspond to a high level disinfectant use pattern. These claims will also be regulated by FDA for the sterilant products. EPA will regulate the general purpose disinfectants.

Because the MOU does not change the statutory authority granted under FIFRA and FFDCA, both Agencies will continue to have jurisdiction over all liquid chemical germicides and will continue registration and premarket approval until rulemaking has been completed. However, the MOU reduces the regulatory burden by stating that the required data to support efficacy claims and product performance need only be submitted and reviewed by the Agency with primary jurisdiction as defined above. In the case of the phosphoric acid products, EPA has primary jurisdiction and the conditions of reregistration must be fulfilled and required data submitted as presented in Appendices F and G.

A copy of the signed EPA/FDA MOU is attached as Appendix H.

III. SCIENCE ASSESSMENT

A. Human Health Assessment

1. Toxicology Assessment

a. Acute Toxicity

The table below summarizes the toxicity results and categories for technical grade mineral acids. These data are intended for general reference only.

Acute Toxicity

Test	Sulfuric Acid[1]	Sodium Bisulfate[1]	Hydrochloric Acid[1]	Phosphoric Acid[1]
Oral LD_{50} (mg/kg)	II (350)	III (3000)	III (1000)	III (1530)
Dermal LD_{50} (mg/kg)	III (>2000)	III (>10,000)	III (>2000)	III (2740)
Inhalation	I (18 mg/m^3 guinea pig[2])	-	-	-
Eye Irritation	I	I	I	I
Dermal Irritation	I	IV	I	I
Skin Sensitization	NR[3]	NR[3]	NR[3]	NR[3]

1 SAX, N.I., and Lewis, R. J. SR, Dangerous Properties of Industrial Materials, 7th Ed. Van Nostrand Reinhold, New York, 1989 (pg. 2770). The data were waived or not required based on the extensive documentation provided in the literature on this chemical.
2 SAX, N.I., and Lewis, R. J. SR, Dangerous Properties of Industrial Materials, 7th Ed. Van Nostrand Reinhold, New York, 1989 (pg. 3147).
3 Not required based on skin and eye irritation data, i.e. toxicity category I.

b. Other Toxicological Considerations

No additional toxicological studies are required for sulfuric acid, hydrochloric acid and phosphoric acid based on their current use patterns and their corrosiveness as shown in the acute studies for dermal and eye irritation. Additional toxicology studies are not required for sodium bisulfate based on the current use patterns and the fact that it forms ubiquitous metabolic products, sodium and sulfate, that are of little toxicological concern. This applies only to the technical chemicals and does not apply to end use product data requirements.

2. Exposure Assessment

a. Dietary Exposure

Hydrochloric acid, sodium bisulfate, and phosphoric acid currently have no pesticidal type food uses. Sulfuric acid has the only related food uses. This use involves application to potato vines five or more days prior to harvest to desiccate the vines enhancing maturation of the tubers and making harvesting less difficult. Sulfuric acid is exempt from the requirement of a tolerance for residues when used in accordance with good agricultural practice as a herbicide in the production of garlic and onions and as a potato vine desiccant in the production of potatoes [40 CFR §180.1019]. (It should be noted that currently there are no registered products for uses of sulfuric acid on garlic and onions.) Sulfuric acid is rapidly degraded in the environment to yield sulfate ion, which is then available for uptake by plants usually in the form of ammonium, calcium, potassium, and sodium sulfate (sulfate salts). The exemption was based on the expectation that sulfuric acid *per se* would not be found in raw agricultural commodities

and that the levels of sulfate salts resulting from the use of sulfuric acid are of no toxicological concern. The sulfate salts are also generally recognized as safe (GRAS) under 21 CFR §184.1143, §184.1230, §184.1643, and §186.1797, respectively. Furthermore, calcium sulfate and sulfuric acid are often present in phosphorous-containing fertilizers as a result of the use of sulfuric acid in generating wet-process phosphoric acid. There are no human dietary concerns associated with these chemicals.

b. Occupational and Residential

Hydrogen chloride and phosphoric acid are used mainly as antimicrobials to sanitize food and dairy processing plants. For these sites, the concentrations of the active ingredient in the various formulations range from 0.1% to 27.6% hydrogen chloride or 0.1% to 75.5% phosphoric acid. The methods of application include wipe-on surface treatments, spray, and circulate-in-place (CIP) treatments. Contact time can be 1 to 15 minutes.

Sodium bisulfate is supplied as a solid/liquid concentrate for indoor residential use as a disinfectant.

Sulfuric acid (9.5%) is also used to sanitize milk lines and food processing surfaces by CIP and wipe-on treatments as described for the two acids above. This use is followed by a chlorinated alkaline cleaner.

Concentrated sulfuric acid (93%) is a Restricted Use Pesticide (RUP) applied by trained applicators to desiccate mainly white potato vines. This preharvest application "sets" the potatoes and facilitates harvesting. It is applied by special ground boom type equipment by certified applicators on potato fields five days prior to harvest. If necessary the application can be repeated.

There is a potential for post-application dermal and inhalation exposure when the technical active ingredients hydrogen chloride, phosphoric acid, sodium bisulfate or sulfuric acid are used as antimicrobials. However, this exposure is very low since only dilute solutions are used on treated surfaces. Sodium bisulfate is considered toxicity category III (dermal) at 60-70% ai. While the oral and dermal LD_{50}s for hydrogen chloride and phosphoric acid place them in toxicity category III, they are considered toxicity category I for dermal and eye irritation. Since they are applied at low concentrations both mixer/loader/applicator exposure and post-application worker exposure are likely to be negligible. On the basis of these uses and toxicology categories, additional mixer/loader/applicator exposure and post-application worker exposure data for these technical active ingredients for these sites are not required for reregistration eligibility.

Sulfuric acid (93%), when used as a potato vine desiccant, has a potential for dermal and inhalation exposure to mixer/loader/applicators both during and after application. This is a toxicity category I chemical for dermal and eye irritation. Species specific response can result in inhalation toxicity category I or II classification from studies in guinea pigs and rats, respectively. The current label allows for post-application reentry of workers when wearing

appropriate personal protective clothing and equipment (PPE). Otherwise post-application reentry is not permitted for 5 days. The posting of notices when fields are treated is required. It is feasible that initial post-application exposure to workers reentering potato fields can result in severe irritation to mucous membranes and skin. Considering the toxicity category I for dermal irritation and inhalation for concentrated sulfuric acid, the Agency must know on what basis the registrant established the 5 day reentry interval. The registrant must provide data or a rationale for the 5 days currently specified on the label versus a longer reentry interval. In the interim, the Agency requires that workers should not be allowed to reenter treated fields until 5 days have elapsed following treatment with this product. In addition to providing a rationale for the 5 day interval, the labels must be updated to reflect adequate personal protective clothing and equipment for mixer/loader/ applicator and post-application workers as required by the Worker Protection Standards. No further worker exposure data are required for reregistration eligibility, at this time.

3. Risk Assessment

There are no human dietary concerns associated with these chemicals. There is a potential for human exposure to sodium bisulfate, hydrogen chloride, phosphoric acid or sulfuric acid when these chemicals are used as antimicrobials. On the other hand, concentrated sulfuric acid, when used as a potato vine desiccant, results in a high potential for occupational exposure from the treated foliage. The Agency requires that an adequate rationale be provided concerning the 5 day reentry interval into the potato fields. In the interim, The Agency requires that no one be allowed to reenter a treated field, without PPE, until 5 days have elapsed following treatment with this product. Lastly, the labels must be updated to reflect adequate personal protective clothing and equipment as required by the Worker Protection Standards.

B. Environmental Assessment

The fate of acids in the environment is readily predictable using a knowledge of basic chemistry. Similarly, the effect on living organisms of the pH changes caused by these mineral acids can be deduced without requiring actual non-target species testing. Using commonly available sources of information to assess appropriate protection of the environment, the Agency has determined that all but one of the currently-registered uses of the mineral acids are eligible for reregistration. The use of concentrated sulfuric acid on potato vines as a desiccant exceeds the Agency's level of concern for terrestrial species. Since the Agency is not aware of any acceptable methods to mitigate this risk, this use is not eligible for reregistration, at this time.

1. Environmental Fate

In general, these acids will dissociate and release hydrogen ions in the environment, thus increasing the pH. The extent and duration of this increased pH will depend on the amount of neutralizing ions present, the buffering capacity, and the amount of dilution possible.

Terrestrial Fate

Hydrogen Chloride

Hydrochloric acid is a solution of hydrogen chloride gas in water. In water there occurs a complete dissociation of hydrochloric acid to hydronium and chloride ions. The hydronium ion will lower the soil pH, the extent depending upon the buffering capacity of the soil. Chloride ion is a natural component of soils, therefore in the absence of copious amounts of concentrated hydrochloric acid the effect of either ion would be minimal. Neither hydronium nor chloride ions undergo complex transformations which might affect their ultimate impact on the environment.

Phosphoric Acid

Phosphoric acid in water is also strongly acidic. Although, in addition to a variety of indoor uses, phosphoric acid is used in industrial water cooling systems and swimming pool water systems, no significant exposure to terrestrial organisms is expected.

Sodium Bisulfate

Sodium bisulfate in water is strongly acidic. However, because of the limited indoor use of this chemical, environmental exposure is not expected.

Sulfuric Acid

Sulfuric acid is the largest volume chemical produced in the United States and serves mainly non-pesticidal purposes. Sulfuric acid in water dissociates to hydronium and sulfate ions. The effects on the environment of these ions resulting from the anticipated concentrations due to the potato vine desiccant use are moderated by natural means. There is no potential for either ion to be significantly accumulated by the biota.

2. Ecological Effects

a. Ecological Effects Data

Adequate information is available to predict the effect of these acids on living organisms.

For All Mineral Acids and All Uses **EXCEPT** the Potato Vine Desiccant Use of Sulfuric Acid

The following four studies would normally be required for all of the mineral acids to provide data for labeling statements concerning non-target species:

71-1(a):	acute avian oral, quail/duck (TGAI)
71-2(b):	acute avian diet, duck (TGAI)
72-1(c):	acute fish toxicity/rainbow trout (TGAI)
72-2(a):	acute aquatic invertebrate toxicity (TGAI)

Since there is sufficient information regarding the toxic and corrosive nature of the mineral acids all avian and aquatic studies have been waived for these uses.

Sulfuric Acid Potato Vine Desiccant Use

The following six studies would normally be required for the sulfuric acid potato vine desiccant use to provide data for a risk assessment and labeling:

71-1(a):	acute avian oral, quail/duck (TGAI)
71-2(a):	acute avian diet, quail (TGAI)
71-2(b):	acute avian diet, duck (TGAI)
72-1(a):	acute fish toxicity/bluegill sunfish (TGAI)
72-1(c):	acute fish toxicity/rainbow trout (TGAI)
72-2(a):	acute aquatic invertebrate toxicity (TGAI)

Since there is sufficient information regarding the toxic and corrosive nature of sulfuric acid, all data requirements have been waived.

In lieu of Agency guideline quality submitted data on this product, the following information was used to support the ecological effects risk assessment.

(1) Avian Effects

Information on another pesticide documented the potential for adverse effects from acids on avian species. One study was submitted to EPA showing that birds sprayed directly in field pens with both dilute ($\approx$2.1 Molar solution) and undiluted ($\approx$7.03 Molar solution) forms of Enquik (N-TAC, Sulfuric Acid, Monourea adduct) exhibited dermal toxicity effects to areas that were not covered by feathers. Specifically, the eyes and feet were burned by the sulfuric acid released. The birds also showed a significant increase in hemorrhagic enteritis (a severe irritation of the gastrointestinal tract). Another pen study showed dermal toxicity effects to birds after varying reentry times following spraying on alfalfa with dilute Enquick.

(2) Aquatic Effects

Since all of the mineral acids pose a potential hazard to the aquatic environment not because of inherent toxicity but instead due to their ability to change the pH of receiving waters the following discussion, excerpted from: USEPA, 1976, Quality Criteria for Water, pages 178-181, deals with pH and its potential hazard to aquatic organisms. This section also notes safe pH ranges:

"pH" is a measure of the hydrogen ion activity in a water sample. It is mathematically related to hydrogen ion activity according to the expression: $pH = -\log_{10} [H^+]$, where $[H^+]$ is the concentration of the hydrogen ion.

The pH is an important factor in the chemical and biological systems of natural waters. The degree of dissociation of weak acids or bases is affected by changes in pH. This effect is important because the toxicity of many compounds is affected by the degree of dissociation. For example, rapid increases in pH can cause increased NH_3 concentrations which are toxic.

A review of the effects of pH on freshwater fish has been published by the European Inland Fisheries Advisory Commission (EIFAC,1969). The Commission concluded:

> There is no definite pH range within which a fishery is unharmed and outside which it is damaged, but rather, there is a gradual deterioration as the pH values are further removed from the normal range. The pH range which is not directly lethal to fish is 5-9; however, the toxicity of several common pollutants is markedly affected by pH changes within this range, and increasing acidity or alkalinity may make these poisons more toxic. Also, an acid discharge may liberate sufficient CO_2 from bicarbonate in the water either to be directly toxic, or to cause the pH range 5-6 to become lethal.

Based on present evidence, a pH range of 6.5 to 9.0 appears to provide adequate protection for the life of freshwater fish and bottom dwelling invertebrate fish food organisms. Outside of this range, fish may suffer adverse physiological effects increasing in severity as the degree of deviation increases until lethal levels are reached.

For open ocean waters where the depth is substantially greater than the euphotic zone, the pH should not be changed more than 0.2 units from the naturally occurring variation or in any case outside the range of 6.5 to 8.5. For shallow, highly productive coastal and estuarine areas where naturally occurring pH variations approach the lethal limits for some species, changes in pH should be avoided but in any case should not exceed the limits established for fresh water, i.e., pH of 6.5 to 9.0.

b. Ecological Effects Risk Assessment

For All Mineral Acids and All Uses **EXCEPT** the Potato Vine Desiccant Use of Sulfuric Acid

There is sufficient information regarding the toxic and corrosive nature of the mineral acids. Avian species are at risk from direct exposure to mineral acids and such exposure must be avoided. The major potential aquatic hazard of mineral acids lies in their ability to change pH of receiving waters. Sufficient exposure to mineral acids to significantly change the pH is harmful to aquatic species and such exposure must be avoided. Similarly, any such terrestrial or aquatic exposure may be harmful to endangered species.

Sulfuric Acid Potato Vine Desiccant Use

Since there is sufficient information regarding the toxic and corrosive nature of sulfuric acid, all data requirements have been waived. The studies submitted to EPA for Enquik (N-TAC, sulfuric acid, Monourea adduct) demonstrated the potential for adverse avian effects as documented above. Since the concentration of sulfuric acid produced by Enquik (dilute ≈ 2.1, undiluted $\approx$ 7.03 Molar solution) is much less than the 93% used as a potato desiccant (≈ 9.48 Molar solution), use of 93% sulfuric acid as a potato vine desiccant exceeds the Agency's level of concern for terrestrial wildlife.

Precautionary Labelling:

Manufacturing Use for All Mineral Acids and Phosphoric Acid for Use in Industrial Water Cooling Tower Systems

This pesticide is toxic to wildlife. "Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."

Hydrogen Chloride and Phosphoric Acid for Use in Swimming Pools

This pesticide is toxic to wildlife. Do not contaminate water when disposing of equipment wash water or rinsate.

Indoor Uses for All Mineral Acids

Effluent Discharge Labeling Statements

All manufacturing-use or end-use products that may be contained in an effluent discharged to the waters of the United States or municipal sewer systems must bear the following revised effluent discharge labeling statement.

"Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."

All affected products distributed or sold by registrants and distributors (supplemental registrants) must bear the above labeling by October 1, 1995. All products distributed or sold by persons other than registrants or supplemental registrants after October 1, 1997 must bear the correct labeling. Refer to PR Notice 93-10 or 40 CFR 152.46(a)(1) for additional information.

Data Requirements:

There are no outstanding data requirements to support the present uses of the mineral acids (hydrogen chloride, sulfuric acid, phosphoric acid, sodium bisulfate).

Conclusion:

For All Mineral Acids and All Uses **EXCEPT** the Potato Vine Desiccant Use of Sulfuric Acid

The potential risks of the mineral acids to non-target organisms will be mitigated through labelling statements.

Sulfuric Acid Potato Vine Desiccant Use

Use of 93% sulfuric acid as a potato vine desiccant is expected to pose significant hazard to terrestrial wildlife. Since the risk is focused in the treated field and occurs during treatment and continues for a number of hours after treatment, there are no known practical mitigation measures. Therefore, this use exceeds the Agency's level of concern for risk to terrestrial wildlife.

Endangered Species

At the present time, the Agency is working with the U.S. Fish and Wildlife Service and other federal and state agencies to develop a program to avoid jeopardizing the continued existence of listed species by the use of pesticides. When the Endangered Species Protection Program is implemented and subsequent guidance is given, endangered species labeling amendments may be required on affected end-use products. Labeling statements for end-use products will likely refer users to county specific bulletins specifying detailed limitations on use to protect endangered species.

IV. RISK MANAGEMENT AND REREGISTRATION DECISION

A. Determination of Eligibility

Section 4(g)(2)(A) of FIFRA calls for the Agency to determine, after submission of adequate data concerning an active ingredient, whether products containing the active ingredients are eligible for reregistration. The Agency has identified the generic (i.e. active ingredient specific) data required to support reregistration of products containing mineral acid active ingredients. The Agency has completed its review of these generic data, and has determined that the data are sufficient to support reregistration of all products containing mineral acids except for the use of sulfuric acid on potato vines. Appendix B identifies the generic data requirements that the Agency reviewed as part of its determination of reregistration eligibility of mineral acids, and lists the submitted studies that the Agency found acceptable.

The Agency is not able to determine, at this time, if the use of sulfuric acid as applied to potato vines is eligible for reregistration. The Agency is concerned about the risk to terrestrial wildlife and is not aware of any acceptable methods to mitigate the risk. In order to determine its eligibility, the Agency will be assessing the benefits of sulfuric acid for this use. Once this is done, the Agency will make a finding of whether this use is eligible for reregistration and whether any further regulatory action is required.

Even though the use on potato vines is not eligible at this time, if the registrants of these sulfuric acid products still wish to support them for reregistration, they must comply with all appropriate product specific labeling and data requirements including data or an adequate rationale in support of the 5-day post-harvest re-entry interval.

The Agency made its reregistration eligibility determination based upon the target data base required for reregistration, the current guidelines for conducting acceptable studies to generate such data and the data identified in Appendix B. Although the Agency has found that most uses of mineral acids are eligible for reregistration, it should be understood that the Agency may take appropriate regulatory action, and/or require the

submission of additional data to support the registration of products containing mineral acids if new information comes to the Agency's attention or if the data requirements for registration (or the guidelines for generating such data) change.

1. Eligibility Decision

Based on the reviews of the generic data for the active ingredients mineral acids, the Agency has sufficient information on the health effects of mineral acids and on its potential for causing adverse effects in fish and wildlife and the environment. Therefore, the Agency concludes that products, labeled and used as specified in this Reregistration Eligibility Decision, containing mineral acids for all uses except for the use of sulfuric acid on potato vines, are eligible for reregistration.

2. Eligible and Ineligible Uses

The Agency has determined that all uses of mineral acids except for the use of sulfuric acid on potato vines, are eligible for reregistration.

B. Regulatory Position

The following is a summary of the regulatory positions and rationales for mineral acids. Where labeling revisions are imposed, specific language is set forth in Section V of this document.

1. Tolerance Reassessment

Sulfuric acid is exempt from the requirement of a tolerance for residues when used in accordance with good agricultural practice as a herbicide in the production of garlic and onions and as a potato vine desiccant in the production of potatoes [40 CFR §180.1019]. (It should be noted that currently there are no registered products with uses of sulfuric acid on garlic and onions.) Sulfuric acid is rapidly degraded in the environment to yield sulfate ion, which is then available for uptake by plants usually in the form of ammonium, calcium, potassium, and sodium sulfate (sulfate salts). The exemption was based on the expectation that sulfuric acid *per se* would not be found in raw agricultural commodities and that the levels of sulfate salts resulting from the use of sulfuric acid are of no toxicological concern.

2. Restricted Use Classification

Sulfuric acid products to be applied as a desiccant to potato vines are currently Restricted Use Products, i.e. their mixing, loading, and application may only be done by or under the direct supervision of an (EPA) Certified Applicator. This classification was enacted historically to protect human health.

V. ACTIONS REQUIRED BY REGISTRANTS

This section specifies the data requirements and responses necessary for the reregistration of both manufacturing-use and end-use products.

A. Manufacturing-Use Products

1. Additional Generic Data Requirements

The generic data base supporting the reregistration of mineral acids for the above eligible uses has been reviewed and determined to be substantially complete except for one requirement for sulfuric acid. Registrants of the products which contain sulfuric acid for use on potato vines are required to provide data or a rationale for foliar residue dissipation corresponding to series 132-1(a).

2. Labeling Requirements for Manufacturing-Use Products

Effluent Discharge Labeling Statements

All manufacturing-use or end-use products that may be contained in an effluent discharged to the waters of the United States or municipal sewer systems must bear the following revised effluent discharge labeling statement.

"Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."

All affected products distributed or sold by registrants and distributors (supplemental registrants) must bear the above labeling by October 1, 1995. All products distributed or sold by persons other than registrants or supplemental registrants after October 1, 1997 must bear the correct labeling. Refer to PR Notice 93-10 or 40 CFR 152.46(a)(1) for additional information.

B. End-Use Products

1. Additional Product-Specific Data Requirements

Section 4(g)(2)B) of FIFRA calls for the Agency to obtain any needed product-specific data regarding the pesticide after a determination of eligibility has been made. The product specific data requirements are listed in Appendix G, the Product Specific Data Call-In Notice.

Registrants must review previous data submissions to ensure that they meet current EPA acceptance criteria (Appendix F; Attachment E) and if not, commit to conduct new studies. If a registrant believes that previously submitted data meet current testing standards, then study MRID numbers should be cited according to the instructions in the Requirement Status and Registrants Response Form provided for each product.

2. Labeling Requirements for End-Use Products

The labels and labeling of all products must comply with EPA's current regulations and requirements as specified in 40 CFR §156.10.

In the course of the reregistration of phosphoric acid and hydrogen chloride, the Agency has become aware of a number of products that make claims regarding disinfection of critical items (surgical instruments) and semi-critical items (catheters, endoscopes, respiratory apparatus, etc.). [See discussion in Section 2.C. "Regulatory History" above and Appendix D "FDA/EPA Memorandum of Understanding"].

The Agency believes that, in fact, these products are general purpose disinfectants and therefore, these claims for disinfection of critical items and semi-critical items must be removed from the labels.

<u>Worker Protection Standard</u>

Any product whose labeling reasonably permits use in the production of an agricultural plant on any farm, forest, nursery, or greenhouse must comply with the labeling requirements of PR Notice 93-7, "Labeling Revisions Required by the Worker Protection Standard (WPS), and PR Notice 9311, "Supplemental Guidance for PR Notice 93-7, which reflect the requirements of EPA' s labeling regulations for worker protection statements (40 CFR part 156, subpart K). These labeling revisions are necessary to implement the Worker Protection Standard for Agricultural Pesticides (40 CFR part 170) and must be completed in accordance with, and within the deadlines specified in, PR Notices 93-7 and 93-11. Unless otherwise specifically directed in this RED, all statements required by PR Notices

93-7 and 93-11 are to be on the product label exactly as instructed in those notices.

After April 21, 1994, except as otherwise provided in PR Notices 93-7 and 93-11, all products within the scope of those notices must bear WPS PR Notice complying labeling when they are distributed or sold by the primary registrant or any supplementally registered distributor.

After October 23, 1995, except as otherwise provided in PR Notices 93-7 and 93-11, all products within the scope of those notices must bear WPS PR Notice complying labeling when they are distributed or sold by any person.

Effluent Discharge Labeling Statements

Refer to subsection A. above for labeling requirements for effluent discharge.

C. Existing Stocks

Registrants may generally distribute and sell products bearing old labels/labeling for 26 months from the date of the issuance of this RED. Persons other than the registrant may generally distribute or sell such products for 50 months from the date of the issuance of this RED. However, existing stocks time frames will be established case-by-case, depending on the number of products involved, the number of label changes, and other factors. Refer to "Existing Stocks of Pesticide Products; State of Policy"; Federal Register, Volume 56, No. 123, June 26, 1991.

The Agency has determined that registrants may distribute and sell mineral acid products bearing old labels/labeling for 26 months from the date of issuance of this RED. Persons other than the registrant may distribute or sell such products for 50 months from the date of the issuance of this RED.

VI. APPENDICES

APPENDIX A. Table of Use Patterns Subject to Reregistration

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES											
DAIRIES/CHEESE PROCESSING PLANT PREMISES (NONFOOD CONTACT) Use Group: INDOOR FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
EATING ESTABLISHMENTS Use Group: INDOOR FOOD											
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			A13
Premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 10	*	NS	NS	NS	NS			A13
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) Use Group: INDOOR FOOD											
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 43	V 43	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 86	V 86	*	NS	NS	NS	NS			A08, A32(120), A10(10)
Immersion., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 43	V 43	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dose)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 43	V 43	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
Not on label., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			
Not on label., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 2	V 2	*	NS	NS	NS	NS			
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 86	V 86	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
FEED MILLS/FEED PROCESSING PLANTS Use Group: INDOOR FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FEED MILLS/FEED PROCESSING PLANTS (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
FISH/SEAFOOD PROCESSING PLANT PREMISES (NONFOOD CONTACT)				Use Group: INDOOR FOOD							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
FOOD CATERING FACILITIES PREMISES				Use Group: INDOOR FOOD							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD CATERING FACILITIES PREMISES (con't)			Use Group: INDOOR FOOD (con't)								
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
FOOD DISPENSING EQUIPMENT/VENDING MACHINES			Use Group: INDOOR FOOD								
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
FOOD MARKETING/STORAGE/DISTRIBUTION EQUIPMENT/UTENSILS (FOOD CONTACT) Use Group: INDOOR FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) Use Group: INDOOR FOOD											
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 43	V 43	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 86	V 86	*	NS	NS	NS	NS			A08, A32(120), A10(10)
Immersion., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 43	V 43	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 43	V 43	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 86	V 86	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
FOOD PROCESSING PLANT PREMISES (NONFOOD CONTACT) Use Group: INDOOR FOOD											

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
FOOD PROCESSING PLANT PREMISES (NONFOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
FOOD/GROCERY/MARKETING/STORAGE/DISTRIBUTION FACILITY PREMISE				Use Group: INDOOR FOOD							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD/GROCERY/MARKETING/STORAGE/DISTRIBUTION FACILITY PREMISE (con't) Use Group: INDOOR FOOD (con't)											
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
MEAT PROCESSING PLANT PREMISES (NONFOOD CONTACT) Use Group: INDOOR FOOD											
Brush-on., Not on label., Brush., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Wipe-on., Not on label., Cloth., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08,A13,A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
MEAT/FISH MARKETS PREMISES				Use Group: INDOOR FOOD							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
POULTRY PROCESSING PLANT PREMISES (NONFOOD CONTACT)				Use Group: INDOOR FOOD							
Brush-on., Not on label., Brush., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS		NS	NS	NS		A13, A30, A25(10)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
POULTRY PROCESSING PLANT PREMISES (NONFOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 30000	V 30000	*	NS		NS	NS	NS		A13, A30, A25(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS		NS	NS	NS		A13, A30, A25(10)
Wipe-on., Not on label., Cloth., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS		NS	NS	NS		A13, A30, A25(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
NON-FOOD/NON-FEED											
ANIMAL KENNELS/SLEEPING QUARTERS (COMMERCIAL) Use Group: INDOOR NON-FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
ANIMAL KENNELS/SLEEPING QUARTERS (COMMERCIAL) (con't)				Use Group: INDOOR NON-FOOD (con't)							
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
ANIMALS (LABORATORY/RESEARCH)				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			A13
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 1	*	NS	NS	NS	NS			A13
BARBER/BEAUTY SHOP EQUIPMENT (BARBER CHAIR/CABINETS)				Use Group: INDOOR MEDICAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
BARBER/BEAUTY SHOP EQUIPMENT (BARBER CHAIR/CABINETS) (con't)				Use Group: INDOOR MEDICAL (con't)							
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
BARBER/BEAUTY SHOP INSTRUMENTS (SHAVERS/SCISSORS)				Use Group: INDOOR MEDICAL							
Immersion., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
BARBER/BEAUTY SHOP INSTRUMENTS (SHAVERS/SCISSORS) (con't)			Use Group: INDOOR MEDICAL (con't)								
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10.
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
BATHROOM PREMISES/HARD SURFACES			Use Group: INDOOR RESIDENTIAL								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	N 95000	N 95000	*	NS	NS	NS	NS			A13, A25(3), A26(5)
Brush-on., Not on label., Brush., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Mop., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 230000	W 230000	*	NS	NS	NS	NS			
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	N 95000	N 95000	*	NS	NS	NS	NS			A13, A25(3), A26(5)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Not on label., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 230000	W 230000	*	NS	NS	NS	NS			A08
	SC/L	V 3000	V 3000	*	NS	NS	NS	NS			A10(5)
Not on label., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 6000	V 6000	*	NS	NS	NS	NS			A10(5)
Pour-on., Not on label., Bowl mop., Hard., Not applicable for this use.	SC/L	V 2969	V 4948	*	NS	NS	NS	NS			A08
	SC/L	V 4792	V 9583	*	NS	NS	NS	NS			A08
Pour-on., Not on label., Brush., Hard., Not applicable for this use.	RTU	No Calc	No Calc	*	NS	NS	NS	NS			
	SC/L	W 185000	W 185000	*	NS	NS	NS	NS			A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
BATHROOM PREMISES/HARD SURFACES (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Pour-on., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 85000	W 85000	*	NS		NS	NS	NS		
	RTU	W 145000	W 145000	*	NS		NS	NS	NS		A10(10)
	SC/L	V 5000	V 5000	*	NS		NS	NS	NS		A08, A08
	SC/L	V 5000	V 10000	*	NS		NS	NS	NS		A13
Pour-on., Not on label., Swab., Hard., Not applicable for this use.	EC	V 5758	V 11517	*	NS		NS	NS	NS		A08
	RTU	W 218000	W 230000	*	NS		NS	NS	NS		
	SC/L	V 1958	V 3917	*	NS		NS	NS	NS		A08
	SC/L	V 4792	V 4792	*	NS		NS	NS	NS		A08
	SC/L	V 5000	V 10000	*	NS		NS	NS	NS		A08
	SC/L	V 25729	V 25729	*	NS		NS	NS	NS		
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS		NS	NS	NS		A13
Premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 10	*	NS		NS	NS	NS		A13
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 11250	V 11250	*	NS		NS	NS	NS		A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 1695	V 1695	*	NS		NS	NS	NS		A08
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS		NS	NS	NS		A13, A30, A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
BATHROOM PREMISES/HARD SURFACES (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Surface treatment., Not on label., Brush., Hard., Organic soil.	RTU	W 95000	W 95000	*	NS		NS	NS			A13, A30, A25(2)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	RTU	No Calc	No Calc	*	NS		NS	NS			
	SC/L	V 368	V 368	*	NS		NS	NS			A08, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 95000	W 95000	*	NS		NS	NS			A13, A30, A25(2)
Swab., Not on label., Bowl mop., Hard., Not applicable for this use.	SC/L	No Calc	No Calc	*	NS		NS	NS			A08
Swab., Not on label., Brush., Hard., Not applicable for this use.	RTU	No Calc	No Calc	*	NS		NS	NS			
Swab., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 85000	W 168500	*	NS		NS	NS			
	RTU	W 83700	W 90000	*	NS		NS	NS			A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS		NS	NS			A13, A30, A25(10)
Wipe-on., Not on label., Cloth., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS		NS	NS			A13, A30, A25(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
COMMERCIAL STORAGES/WAREHOUSES PREMISES (INDOOR)				Use Group: INDOOR NON-FOOD							

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
COMMERCIAL STORAGES/WAREHOUSES PREMISES (INDOOR) (con't)				Use Group: INDOOR NON-FOOD (con't)							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
COMMERCIAL TRANSPORTATION FACILITIES-NONFEED/NONFOOD				Use Group: INDOOR NON-FOOD							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Swab., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
COMMERCIAL TRANSPORTATION FACILITIES-NONFEED/NONFOOD (con't) Use Group: INDOOR NON-FOOD (con't)											
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Transportation vehicle treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Transportation vehicle treatment., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Transportation vehicle treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Transportation vehicle treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (INDOOR) Use Group: INDOOR NON-FOOD											
Brush-on., Not on label., Brush., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (INDOOR) (con't) Use Group: INDOOR NON-FOOD (con't)											
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Wipe-on., Not on label., Cloth., Hard., Organic soil.	SC/L	V 30000	V 30000	*	NS	NS	NS	NS			A13, A30, A25(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
CUSPIDORS/SPITTOONS Use Group: INDOOR MEDICAL											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
DONKEYS Use Group: INDOOR NON-FOOD											
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

USES ELIGIBLE FOR REREGISTRATION

NON-FOOD/NON-FEED (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
DONKEYS (con't)				Use Group: INDOOR NON-FOOD (con't)							
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
EATING ESTABLISHMENTS FOOD HANDLING AREAS (NONFOOD CONTACT)				Use Group: INDOOR NON-FOOD							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dose)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
EATING ESTABLISHMENTS FOOD HANDLING AREAS (NONFOOD CONTACT) (con't) Use Group: INDOOR NON-FOOD (con't)											
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
EATING ESTABLISHMENTS FOOD SERVING AREAS (NONFOOD CONTACT) Use Group: INDOOR NON-FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
EATING ESTABLISHMENTS NON-FOOD AREAS (NONFOOD CONTACT) Use Group: INDOOR NON-FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
EATING ESTABLISHMENTS NON-FOOD AREAS (NONFOOD CONTACT) (con't) Use Group: INDOOR NON-FOOD (con't)											
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
FOX Use Group: INDOOR NON-FOOD											
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
FOX (con't)				Use Group: INDOOR NON-FOOD (con't)							
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
GOATS (WOOL/ANGORA ANIMAL)				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
HORSES (SHOW/RACE/SPECIAL/PONIES)				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HORSES (SHOW/RACE/SPECIAL/PONIES) (con't)				Use Group: INDOOR NON-FOOD (con't)							
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
HOSPITAL CONDUCTIVE FLOORS				Use Group: INDOOR MEDICAL							
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			A13
HOSPITAL CRITICAL ITEMS (SURGICAL INSTRUMENTS/PACEMAKERS)				Use Group: INDOOR MEDICAL							
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 30	V 30	*	NS	NS	NS	NS			A11(2), A08
HOSPITAL JANITORIAL EQUIPMENT				Use Group: INDOOR MEDICAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITAL JANITORIAL EQUIPMENT (con't)				Use Group: INDOOR MEDICAL (con't)							
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
HOSPITAL NONCRITICAL ITEMS (BEDPANS/FURNITURE)				Use Group: INDOOR MEDICAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
HOSPITAL SEMICRITICAL ITEMS (CATHETERS/INHALATION EQUIPMENT) (con't)				Use Group: INDOOR MEDICAL (con't)							
Not on label., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			A08

USES ELIGIBLE FOR REREGISTRATION

NON-FOOD/NON-FEED (con't)

HOSPITALS/MEDICAL INSTITUTIONS CRITICAL PREMISES (BURN WARDS Use Group: INDOOR MEDICAL

SITE Application Type, Application Timing, Application Equipment — Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS		NS	NS	NS		A13
Premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 10	*	NS		NS	NS	NS		A13
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS NONCRITICAL PREMISES				Use Group: INDOOR MEDICAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS		NS	NS	NS		A13
Premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 10	*	NS		NS	NS	NS		A13
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
HOSPITALS/MEDICAL INSTITUTIONS PATIENT PREMISES				Use Group: INDOOR MEDICAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS PATIENT PREMISES (con't)				**Use Group: INDOOR MEDICAL (con't)**							
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
HOSPITALS/MEDICAL INSTITUTIONS PREMISES (HUMAN/VETERINARY)				**Use Group: INDOOR MEDICAL**							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS		NS	NS	NS		A13
Premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 10	*	NS		NS	NS	NS		A13
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS PREMISES (HUMAN/VETERINARY) (con't) Use Group: INDOOR MEDICAL (con't)											
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
HOUSEHOLD TRASH COMPACTOR/FOOD DISPOSALS Use Group: INDOOR RESIDENTIAL											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
INCINERATORS Use Group: INDOOR RESIDENTIAL											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
LAUNDRY EQUIPMENT Use Group: INDOOR NON-FOOD											
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
LAUNDRY EQUIPMENT (con't)				Use Group: INDOOR NON-FOOD (con't)							
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
MINK				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
MORGUES/MORTUARIES/AUTOPSY/EMBALMING EQUIPMENT				Use Group: INDOOR MEDICAL							
Immersion., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
MORGUES/MORTUARIES/AUTOPSY/EMBALMING EQUIPMENT (con't) Use Group: INDOOR MEDICAL (con't)											
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
MORGUES/MORTUARIES/AUTOPSY/EMBALMING INSTRUMENTS Use Group: INDOOR MEDICAL											
Immersion., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
MORGUES/MORTUARIES/AUTOPSY/EMBALMING ROOM PREMISES			Use Group: INDOOR MEDICAL								
Premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			A13
Premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 10	V 10	*	NS	NS	NS	NS			A13
MULES (WORK)			Use Group: INDOOR NON-FOOD								
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
NUTRIA			Use Group: INDOOR NON-FOOD								
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
NUTRIA (con't)				Use Group: INDOOR NON-FOOD (con't)							
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
PORTABLE/CHEMICAL TOILETS/LATRINE BUCKETS				Use Group: INDOOR RESIDENTIAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
RABBITS				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
RABBITS (con't)				Use Group: INDOOR NON-FOOD (con't)							
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
REFUSE/SOLID WASTE CONTAINERS (GARBAGE CANS)				Use Group: INDOOR RESIDENTIAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS			A08, A13, A29(800), A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
REFUSE/SOLID WASTE CONTAINERS (GARBAGE CANS) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
REFUSE/SOLID WASTE TRANSPORTATION FACILITIES/HANDLING EQUIP.				Use Group: INDOOR RESIDENTIAL							
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
SHEEP				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)

USES ELIGIBLE FOR REREGISTRATION

NON-FOOD/NON-FEED (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
SHEEP (con't)				Use Group: INDOOR NON-FOOD (con't)							
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
SPECIALIZED ANIMALS				Use Group: INDOOR NON-FOOD							
Animal equipment treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Animal equipment treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Premise treatment., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
Premise treatment., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A06, A10(10)
SWIMMING POOL WATER SYSTEMS				Use Group: AQUATIC NON-FOOD RESIDENTIAL							

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
SWIMMING POOL WATER SYSTEMS (con't)			Use Group: AQUATIC NON-FOOD RESIDENTIAL (con't)								
Water related surface treatment., Not on label., Brush., Hard., Not applicable for this use.	SC/L	W 47500	W 47500	*	NS		NS	NS	NS		A13, A25(3), A26(5)
Water related surface treatment., Not on label., Mop., Hard., Not applicable for this use.	SC/L	W 47500	W 47500	*	NS		NS	NS	NS		A13, A25(3), A26(5)
TOBACCO PROCESSING PLANT PREMISES/EQUIPMENT			Use Group: INDOOR NON-FOOD								
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Organic soil.	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS		NS	NS	NS		A08, A13, A29(800), A06, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
TOILET BOWLS (INTERIOR SURFACES)			Use Group: INDOOR RESIDENTIAL								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	RTU	W 70000	W 70000	*	NS		NS	NS	NS		
	RTU	W 92500	W 92500	*	NS		NS	NS	NS		A10(10)
	RTU	W 95000	W 95000	*	NS		NS	NS	NS		A10(15)
	RTU	W 260000	W 260000	*	NS		NS	NS	NS		A25(2), A26(3)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dose)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
TOILET BOWLS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
	SC/L	W 95000	W 95000	*	NS		NS	NS			A13
Flush treatment., Not on label., Package applicator., Hard., Not applicable for this use.	SC/L	No Calc	No Calc	*	NS		NS	NS			
Mop., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 95000	W 95000	*	NS		NS	NS			
	RTU	W 95000	W 95000	*	NS		NS	NS			A10(15)
	RTU	W 260000	W 260000	*	NS		NS	NS			A25(2), A26(3)
	SC/L	No Calc	No Calc	*	NS		NS	NS			A13
Mop., Not on label., Bowl mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS			A08, A13, A10(10)
	SC/L	V 24687	V 24687	*	NS		NS	NS			A08, A13, A29(800), A10(10)
Mop., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 98000	W 230000	*	NS		NS	NS			
	RTU	W 75000	W 75000	*	NS		NS	NS			A08, A10(10)
	RTU	W 94500	W 94500	*	NS		NS	NS			A25(10)
Not on label., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 190000	W 240000	*	NS		NS	NS			
	RTU	W 90000	W 230000	*	NS		NS	NS			A08, A10(10)
Not on label., Not on label., Not on label., Hard., Organic soil.	RTU	W 95000	W 95000	*	NS		NS	NS			A08, A10(10)
Pour-on., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 230000	W 230000	*	NS		NS	NS			
	RTU	W 95000	W 95000	*	NS		NS	NS			A08, A10(10)
	SC/L	No Calc	No Calc	*	NS		NS	NS			
	SC/L	V 490	V 573	*	NS		NS	NS			A25(10)
	SC/L	V 491	V 491	*	NS		NS	NS			A08, A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
TOILET BOWLS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
	SC/L	V 753	V 753	*	NS	NS	NS	NS			A08
	SC/L	V 3931	V 3931	*	NS	NS	NS	NS			
Pour-on., Not on label., Bowl mop., Hard., Organic soil.	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	V 4167	V 4167	*	NS	NS	NS	NS			A08, A10(10)
Pour-on., Not on label., Brush., Hard., Not applicable for this use.	RTU	W 70000	W 150000	*	NS	NS	NS	NS			
	RTU	W 92500	W 92500	*	NS	NS	NS	NS			A10(10)
	RTU	W 239000	W 239000	*	NS	NS	NS	NS			A30, A25(10)
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			
	SC/L	V 851	V 851	*	NS	NS	NS	NS			
	SC/L	V 984	V 984	*	NS	NS	NS	NS			A10(10)
	SC/L	V 2917	V 2917	*	NS	NS	NS	NS			A10(15)
	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			
	SC/L	V 3438	V 3438	*	NS	NS	NS	NS			A25(10)
	SC/L	V 3480	V 3480	*	NS	NS	NS	NS			A10(15)
	SC/L	V 3698	V 3698	*	NS	NS	NS	NS			A25(10)
	SC/L	V 3854	V 3854	*	NS	NS	NS	NS			A13, A10(10)
	SC/L	V 5781	V 5781	*	NS	NS	NS	NS			A10(10)
Pour-on., Not on label., Brush., Hard., Organic soil.	SC/L	V 1250	V 1250	*	NS	NS	NS	NS			A13, A30, A08, A10(10)
	SC/L	V 1250	V 1250	*	NS	NS	NS	NS			A13, A30, A30, A10(10)
	SC/L	V 1823	V 1823	*	NS	NS	NS	NS			A13, A30, A25(10)
	SC/L	V 3000	V 3000	*	NS	NS	NS	NS			A13, A30, A08, A25(10)

USES ELIGIBLE FOR REREGISTRATION

NON-FOOD/NON-FEED (con't)

TOILET BOWLS (INTERIOR SURFACES) (con't) Use Group: INDOOR RESIDENTIAL (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
	SC/L	V 3000	V 3000	*	NS	NS	NS	NS			A13, A30, A25(10)
	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	V 4167	V 4167	*	NS	NS	NS	NS			A08, A10(10)
	SC/L	V 6350	V 6350	*	NS	NS	NS	NS			A13, A25(10)
	SC/L	V 7188	V 7188	*	NS	NS	NS	NS			A13, A25(10)
Pour-on., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 85000	W 85000	*	NS	NS	NS	NS			
	RTU	W 145000	W 218000	*	NS	NS	NS	NS			A10(10)
	SC/L	V 117	V 156	*	NS	NS	NS	NS			A10(10)
	SC/L	V 5000	V 5000	*	NS	NS	NS	NS			A08, A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			
Pour-on., Not on label., Package applicator., Hard., Organic soil.	RTU	W 180000	W 180000	*	NS	NS	NS	NS			A13, A10(10)
Pour-on., Not on label., Swab., Hard., Not applicable for this use.	EC	V 5379	V 10758	*	NS	NS	NS	NS			A08
	EC	V 5758	V 11517	*	NS	NS	NS	NS			A08
	RTU	W 150000	W 150000	*	NS	NS	NS	NS			
	RTU	W 230000	W 230000	*	NS	NS	NS	NS			A08, A25(10)
	RTU	W 94900	W 95000	*	NS	NS	NS	NS			A08, A25(3)
	RTU	W 230000	W 230000	*	NS	NS	NS	NS			A13, A08
	RTU	W 83700	W 90000	*	NS	NS	NS	NS			A13, A08, A10(10)
	SC/L	V 2396	V 2396	*	NS	NS	NS	NS			A08
	SC/L	V 4792	V 4792	*	NS	NS	NS	NS			
	SC/L	V 5000	V 10000	*	NS	NS	NS	NS			A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
TOILET BOWLS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Pour-on., Not on label., Swab., Hard., Organic soil.	RTU	W 95000	W 95000	*	NS	NS	NS	NS			A13, A25(2)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	RTU	No Calc	No Calc	*	NS	NS	NS	NS			
	RTU	No Calc	No Calc	*	NS	NS	NS	NS			A30, A10(10)
Swab., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 230000	W 250000	*	NS	NS	NS	NS			
	SC/L	W 94000	W 230000	*	NS	NS	NS	NS			
	SC/L	V 1977	V 3954	*	NS	NS	NS	NS			A08, A10(3)
Swab., Not on label., Brush., Hard., Not applicable for this use.	RTU	W 85000	W 85000	*	NS	NS	NS	NS			
Swab., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 168500	W 168500	*	NS	NS	NS	NS			
	RTU	W 145000	W 239700	*	NS	NS	NS	NS			A08, A10(10)
	SC/L	W 240000	W 247000	*	NS	NS	NS	NS			
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A13
Swab., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 80000	W 240000	*	NS	NS	NS	NS			
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			
	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			
Swab., Not on label., Package applicator., Hard., Not applicable for this use.	RTU	W 230000	W 230000	*	NS	NS	NS	NS			
Swab., Not on label., Swab., Hard., Not applicable for this use.	RTU	W 230000	W 276400	*	NS	NS	NS	NS			
	RTU	W 94900	W 95000	*	NS	NS	NS	NS			A08, A25(3)
	RTU	W 144400	W 144400	*	NS	NS	NS	NS			A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
TOILET BOWLS (INTERIOR SURFACES) (con't)			Use Group: INDOOR RESIDENTIAL (con't)								
	RTU	W 230000	W 230000	*	NS	NS	NS	NS			A13
	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A25(5)
	RTU	W 95000	W 95000	*	NS	NS	NS	NS			A30, A25(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	RTU	W 230000	W 230000	*	NS	NS	NS	NS			A13, A30, A25(10)
	SC/L	V 24687	V 24687	*	NS	NS	NS	NS			A08, A13, A29(800), A10(10)
	SC/L	W 90000	W 90000	*	NS	NS	NS	NS			A13, A30, A25(10)
TOILET TANKS/WATER CLOSETS WATER			Use Group: INDOOR RESIDENTIAL								
Surface treatment., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A13, A10(10)
Water treatment., Not on label., Not on label., Not Applicable., Organic soil.	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A08, A13, A29(800), A10(10)
URINALS (INTERIOR SURFACES)			Use Group: INDOOR RESIDENTIAL								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	RTU	W 95000	W 95000	*	NS	NS	NS	NS			A10(15)
	RTU	W 260000	W 260000	*	NS	NS	NS	NS			A25(2), A26(3)
Brush-on., Not on label., Brush., Hard., Organic soil.	SC/L	V 1250	V 1250	*	NS	NS	NS	NS			A13, A30, A10(10)
	SC/L	V 1823	V 1823	*	NS	NS	NS	NS			A13, A25(10)
	SC/L	V 3000	V 3000	*	NS	NS	NS	NS			A13, A10(10)
	SC/L	V 3000	V 3000	*	NS	NS	NS	NS			A13, A30, A10(10)
	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	V 4167	V 4167	*	NS	NS	NS	NS			A08, A10(10)
	SC/L	V 6350	V 6350	*	NS	NS	NS	NS			A13, A25(10)
	SC/L	V 7188	V 7188	*	NS	NS	NS	NS			A13, A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
URINALS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Mop., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 95000	W 230000	*	NS	NS	NS	NS			
	RTU	W 95000	W 95000	*	NS	NS	NS	NS			A10(15)
	RTU	W 260000	W 260000	*	NS	NS	NS	NS			A25(2), A26(3)
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A08, A25(10)
Mop., Not on label., Bowl mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A10(10)
	SC/L	V 3333	V 3333	*	NS	NS	NS	NS			A08, A13, A10(10)
	SC/L	V 4167	V 4167	*	NS	NS	NS	NS			A08, A10(10)
Mop., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 98000	W 230000	*	NS	NS	NS	NS			
	RTU	W 75000	W 98000	*	NS	NS	NS	NS			A10(10)
	RTU	W 94500	W 94500	*	NS	NS	NS	NS			A25(10)
Not on label., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 190000	W 230000	*	NS	NS	NS	NS			
Pour-on., Not on label., Bowl mop., Hard., Not applicable for this use.	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A08
	SC/L	W 47100	W 55000	*	NS	NS	NS	NS			A25(10)
Pour-on., Not on label., Brush., Hard., Not applicable for this use.	RTU	W 85000	W 85000	*	NS	NS	NS	NS			A10(5)
	RTU	W 239000	W 239000	*	NS	NS	NS	NS			A30, A25(10)
Pour-on., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 92500	W 92500	*	NS	NS	NS	NS			A10(10)
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			
	SC/L	W 185000	W 185000	*	NS	NS	NS	NS			A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
URINALS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 240000	W 240000	*	NS		NS	NS	NS		A10(5)
	SC/L	W 80000	W 80000	*	NS		NS	NS	NS		
	SC/L	W 230000	W 230000	*	NS		NS	NS	NS		A10(3)
Pour-on., Not on label., Package applicator., Hard., Organic soil.	RTU	W 180000	W 180000	*	NS		NS	NS	NS		A13, A10(10)
Pour-on., Not on label., Swab., Hard., Not applicable for this use.	EC	No Calc	No Calc	*	NS		NS	NS	NS		A08, A25(3), A26(4)
	RTU	W 150000	W 150000	*	NS		NS	NS	NS		
	RTU	W 230000	W 230000	*	NS		NS	NS	NS		A08, A25(10)
	RTU	W 95000	W 95000	*	NS		NS	NS	NS		A08, A25(3)
Pour-on., Not on label., Swab., Hard., Organic soil.	RTU	W 95000	W 95000	*	NS		NS	NS	NS		A13, A25(2)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 11250	V 11250	*	NS		NS	NS	NS		A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A08, A13, A10(10)
Swab., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 230000	W 250000	*	NS		NS	NS	NS		
	SC/L	W 94000	W 240000	*	NS		NS	NS	NS		
	SC/L	W 94900	W 94900	*	NS		NS	NS	NS		A08, A10(3)
Swab., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 168500	W 230000	*	NS		NS	NS	NS		
	RTU	W 83700	W 83700	*	NS		NS	NS	NS		A08, A10(10)
	RTU	W 85000	W 85000	*	NS		NS	NS	NS		A10(5)
	RTU	W 90000	W 90000	*	NS		NS	NS	NS		A13, A10(10)
	SC/L	W 240000	W 247000	*	NS		NS	NS	NS		
	SC/L	W 96000	W 96000	*	NS		NS	NS	NS		A10(5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
URINALS (INTERIOR SURFACES) (con't)			Use Group: INDOOR RESIDENTIAL (con't)								
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A13
Swab., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	W 80000	W 80000	*	NS	NS	NS	NS			
Swab., Not on label., Swab., Hard., Not applicable for this use.	RTU	W 230000	W 230000	*	NS	NS	NS	NS			
	RTU	W 94900	W 95000	*	NS	NS	NS	NS			A08, A25(3)
	RTU	W 144400	W 144400	*	NS	NS	NS	NS			A10(10)
	RTU	No Calc	No Calc	*	NS	NS	NS	NS			A30, A25(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 144400	*	NS	NS	NS	NS			A08, A13, A10(10)
	RTU	W 95000	W 95000	*	NS	NS	NS	NS			A13, A30, A25(10)
	SC/L	W 237000	W 237000	*	NS	NS	NS	NS			A08, A13, A29(800), A10(10)
	SC/L	W 90000	W 90000	*	NS	NS	NS	NS			A13, A30, A25(10)
VEHICULAR HOLDING TANKS			Use Group: INDOOR RESIDENTIAL								
Mop., Not on label., Mop., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Sponge-on., Not on label., Sponge., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Swab., Not on label., Swab., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)
Wipe-on., Not on label., Not on label., Hard., Organic soil.	RTU	W 90000	W 90000	*	NS	NS	NS	NS			A08, A13, A10(10)

LEGEND

HEADER ABBREVIATIONS
Max. Apps @ Max Rate : Maximum number of Applications at Maximum Dosage Rate
Min. Interv (days) : Minimum Interval between Applications (days)
Restr. Entry Interv (days) : Restricted Entry Interval (days)

SOIL TEXTURE FOR MAX APP. RATE
* : Non-specific
C : Coarse
M : Medium
F : Fine
O : Others

FORMULATION CODES
EC : EMULSIFIABLE CONCENTRATE
RTU : LIQUID-READY TO USE
SC/L : SOLUBLE CONCENTRATE/LIQUID

ABBREVIATIONS
AN : As Needed
NA : Not Applicable
NS : Not Specified (on label)
UC : Unconverted due to lack of data (on label)

APPLICATION RATE
DCNC : Dosage Can Not be Calculated
No Calc : No Calculation can be made
W : PPM calculated by weight
V : PPM Calculated by volume
cwt : Hundred Weight
nnE-xx : nn times (10 power -xx); for instance, "1.234E-04" is equivalent to ".0001234"

USE LIMITATIONS CODES
A08 : Preclean claim.
A10 : __ minute(s) contact time.
A11 : __ hour(s) contact time.
A13 : One-step cleaner.
A25 : __ minute(s) contact time (minimum).
A29 : __ ppm hard water activity.
A30 : Preclean for heavily soiled areas.
A32 : __ F solution temperature (maximum).
* NUMBER IN PARENTHESES REPRESENTS THE NUMBER OF TIME UNITS (HOURS,DAYS, ETC.) DESCRIBED IN THE LIMITATION.

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES											
AGRICULTURAL/FARM PREMISES				Use Group: INDOOR FOOD							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT)				Use Group: INDOOR FOOD							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			A13, A08, A08, A25(1)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 234	V 469	*	NS	NS	NS	NS			C23, C04, A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(1000)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
	SC/L	V 488	V 488	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A18(2.0), A25(5), A26(10)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(10)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2), A31(150), A32(165)
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A08, A10(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)
Circulation method., Not on label., Not on label., Hard., Virucide.	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
Closed circulation system treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)
	SC/S	W 146	W 146	*	NS	NS	NS	NS			A08, A25(0.5), A26(2)
Dip., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 742	V 742	*	NS	NS	NS	NS			A08, A06
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 65	V 65	*	NS	NS	NS	NS			
	SC/L	V 75	V 75	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 94	V 94	*	NS	NS	NS	NS			A03, A08
	SC/L	V 94	V 94	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 105	V 105	*	NS	NS	NS	NS			A08, A25(2), A31(75), A32(100)
	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
	SC/L	V 133	V 133	*	NS	NS	NS	NS			A08, A25(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 141	V 141	*	NS	NS	NS	NS			A03, A08, A10(2), A03
	SC/L	V 149	V 149	*	NS	NS	NS	NS			
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A03, A10(5)
	SC/L	V 488	V 488	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A06
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 859	V 859	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A25(2)
Equipment treatment., Not on label., Pump., Hard., Not applicable for this use.	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A08, A25(2)
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A18(2.0), A25(2)
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A25(1)
	SC/L	V 133	V 133	*	NS	NS	NS	NS			A13, A08, A25(1)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A03, A10(1)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A10(2), A03
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1168	V 1168	*	NS	NS	NS	NS			A08, A25(1)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
	SC/S	W 146	W 146	*	NS	NS	NS	NS			A08, A25(0.5), A26(2)
Immersion., Not on label., Not on label., Hard., Virucide.	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
Immersion., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A03
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 133	V 133	*	NS	NS	NS	NS			A13, A08, A25(1)
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Rinse., Final rinse., Not on label., Hard., Not applicable for this use.	SC/L	V 37.5	V 37.5	*	NS	NS	NS	NS			A08
	SC/L	V 75	V 75	*	NS	NS	NS	NS			A08
Rinse., Not on label., Dishwashing machine., Hard., Not applicable for this use.	SC/L	V 246	V 246	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 742	V 742	*	NS	NS	NS	NS			A08, A06
Soak., Not on label., Bath., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			A13, A08, A08, A25(1)
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			A13, A08, A08, A25(1)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
Spray., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A30, A29(400)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 74	V 148	*	NS	NS	NS	NS			

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 150	V 150	*	NS	NS	NS	NS			
	SC/L	V 234	V 469	*	NS	NS	NS	NS			C23, C04, A08, A25(2)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A03, A25(1), A26(5)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 469	V 469	*	NS	NS	NS	NS			C23, C04, A08
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A18(2.0)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, A29(1000), A10(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, A29(400), A10(0.5)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
	SC/S	W 146	W 146	*	NS	NS	NS	NS			A08, A25(0.5), A26(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
Spray., Not on label., Sprayer., Hard., Virucide.	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
Transportation vehicle treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A03
	SC/L	V 742	V 742	*	NS	NS	NS	NS			A08, A06
DAIRIES/CHEESE PROCESSING PLANT PREMISES (NONFOOD CONTACT) Use Group: INDOOR FOOD											
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 74	V 148	*	NS	NS	NS	NS			
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 133	V 133	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 188	V 188	*	NS	NS	NS	NS			A03
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03
DAIRY FARM MILK HANDLING FACILITIES/EQUIPMENT Use Group: INDOOR FOOD											

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILK HANDLING FACILITIES/EQUIPMENT (con't)				Use Group: INDOOR FOOD (con't)							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400)
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2), A31(150), A32(165)
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
Dip., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.											
	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08, A25(2)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
Rinse., Not on label., Dishwashing machine., Hard., Not applicable for this use.	SC/L	V 246	V 246	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILK HANDLING FACILITIES/EQUIPMENT (con't)			Use Group: INDOOR FOOD (con't)								
	SC/L	V 2344	V 2344	*	NS		NS	NS	NS		A30, A29(400), A25(1), A26(2)
Spray., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS		NS	NS	NS		A08, A29(500), A32(120), C23, A10(1)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS		NS	NS	NS		A08, A29(500), A32(120), C23, A25(2)
DAIRY FARM MILKING EQUIPMENT			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS		NS	NS	NS		A08
	SC/L	V 105	V 105	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08
	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 234	V 234	*	NS		NS	NS	NS		C23, C04, A25(2), A31(100), A32(120)
	SC/L	V 250	V 250	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 344	V 344	*	NS		NS	NS	NS		A03, A13, A25(2), A26(5)
	SC/L	V 488	V 488	*	NS		NS	NS	NS		A08, C23, A10(2)
	SC/L	V 762	V 762	*	NS		NS	NS	NS		A08, A10(2), A31(110), A32(120)
	SC/L	V 762	V 762	*	NS		NS	NS	NS		A08, C23, A10(2), A31(110), A32(120)
	SC/L	V 781	V 781	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A30, A29(400)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILKING EQUIPMENT (con't)				Use Group: INDOOR FOOD (con't)							
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 47	V 47	*	NS		NS	NS			A08, A25(2)
	SC/L	V 111	V 111	*	NS		NS	NS			C23, A25(2)
	SC/L	V 313	V 313	*	NS		NS	NS			A08, A10(2), A06
	SC/L	V 2344	V 2344	*	NS		NS	NS			A30, A29(400), A25(1), A26(2), A31(150), A32(165)
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 47	V 47	*	NS		NS	NS			A08, A25(2)
	SC/L	V 51	V 51	*	NS		NS	NS			A08, A25(2), A26(5)
	SC/L	V 55	V 55	*	NS		NS	NS			A08
	SC/L	V 123	V 123	*	NS		NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS		NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 488	V 488	*	NS		NS	NS			A08, C23, A10(2)
	SC/L	V 732	V 732	*	NS		NS	NS			C23, A08, A10(5)
	SC/L	V 762	V 762	*	NS		NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS		NS	NS			A08, C23, A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS			A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS			A08, A29(400), A10(2)
Closed circulation system treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 47	V 47	*	NS		NS	NS			A08, A25(2)
Dip., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS		NS	NS			A08, A10(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILKING EQUIPMENT (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 180	V 180	*	NS		NS	NS	NS		A03, C23
	SC/L	V 250	V 250	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 586	V 586	*	NS		NS	NS	NS		A08
	SC/L	V 586	V 586	*	NS		NS	NS	NS		A08, A13
	SC/L	V 586	V 586	*	NS		NS	NS	NS		A08, A29(600)
	SC/L	V 586	V 586	*	NS		NS	NS	NS		A08, A29(600), A10(2)
	SC/L	V 781	V 781	*	NS		NS	NS	NS		A08, A10(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 47	V 47	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 53	V 53	*	NS		NS	NS	NS		A08, A10(2), A31(75), A32(100)
	SC/L	V 66	V 66	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 111	V 111	*	NS		NS	NS	NS		C23, A25(2)
Equipment treatment., Not on label., Not on label., Not Applicable., Not applicable for this use.	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08, A25(2)
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS		NS	NS	NS		A08
	SC/L	V 94	V 94	*	NS		NS	NS	NS		A08
	SC/L	V 105	V 105	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08
	SC/L	V 148	V 148	*	NS		NS	NS	NS		A25(1)
	SC/L	V 293	V 293	*	NS		NS	NS	NS		A08, C23
	SC/L	V 732	V 732	*	NS		NS	NS	NS		C23, A08, A10(5)
	SC/L	V 781	V 781	*	NS		NS	NS	NS		A08, A10(1)
	SC/L	V 1641	V 1641	*	NS		NS	NS	NS		A08, A10(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILKING EQUIPMENT (con't)				Use Group: INDOOR FOOD (con't)							
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 94	V 94	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 109	V 109	*	NS	NS	NS	NS			A08
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A03, A10(1)
	SC/L	V 141	V 141	*	NS	NS	NS	NS			A03, A08, A10(2), A03
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A25(2)
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A08, A10(2)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1168	V 1168	*	NS	NS	NS	NS			A08, A25(1)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Immersion., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 5	V 5	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 94	V 94	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A25(2)
Mop., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A08, A10(2)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
DAIRY FARM MILKING EQUIPMENT (con't)				Use Group: INDOOR FOOD (con't)							
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Rinse., Not on label., Dishwashing machine., Hard., Not applicable for this use.	SC/L	V 246	V 246	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23
Rinse., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 105	V 105	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 109	V 109	*	NS	NS	NS	NS			A08
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A25(2)
	SC/L	V 488	V 488	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, A29(600), A25(2)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A03, A10(2), A03
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, C23, A10(2)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, A13
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, A29(600)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, A29(600), A10(2)
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILKING EQUIPMENT (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 2344	V 2344	*	NS		NS	NS	NS		A30, A29(400), A25(1), A26(2)
Spray., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS		NS	NS	NS		A08, A29(500), A32(120), C23, A10(1)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 105	V 105	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08
	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 234	V 234	*	NS		NS	NS	NS		C23, C04, A25(2)
	SC/L	V 249	V 249	*	NS		NS	NS	NS		A08, A03, A10(1)
	SC/L	V 250	V 250	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 488	V 488	*	NS		NS	NS	NS		A08, C23, A10(2)
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A08, A10(2), A06
	SC/L	V 732	V 732	*	NS		NS	NS	NS		C23, A08, A10(5)
	SC/L	V 762	V 762	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 762	V 762	*	NS		NS	NS	NS		A08, C23, A10(2)
	SC/L	V 781	V 781	*	NS		NS	NS	NS		A08, A10(1)
	SC/L	V 781	V 781	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 1641	V 1641	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 2344	V 2344	*	NS		NS	NS	NS		A08, A29(1000), A10(2)
	SC/L	V 2344	V 2344	*	NS		NS	NS	NS		A08, A29(400), A10(0.5)
	SC/L	V 2637	V 2637	*	NS		NS	NS	NS		C23, A08, A03, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
DAIRY FARM MILKING EQUIPMENT (con't)			Use Group: INDOOR FOOD (con't)								
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS		NS	NS	NS		A08, A29(500), A32(120), C23, A25(2)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS		NS	NS	NS		A03, A08, A10(2)
EATING ESTABLISHMENTS			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS		NS	NS	NS		C23, A13, A08, A08, A25(1), A29(500)
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A06, A08
Brush-on., Not on label., Brush., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS		NS	NS	NS		A13, A30, A25(1), A26(2), A08
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS		NS	NS	NS		A03, A03
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A06, A08
	SC/L	V 664	V 664	*	NS		NS	NS	NS		A13, A25(10)
Mop., Not on label., Mop., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS		NS	NS	NS		A13, A30, A25(1), A26(2), A08
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS		NS	NS	NS		A03, A03
	SC/L	V 664	V 664	*	NS		NS	NS	NS		A13, A25(10)
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A06, A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS (con't)			Use Group: INDOOR FOOD (con't)								
Pour-on., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Soak., Not on label., Bath., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 750	V 750	*	NS	NS	NS	NS			A06, A25(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Swab., Not on label., Swab., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A03
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03, A03
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT)			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A10(1), A29(500)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
Brush-on., Not on label., Brush., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 94	V 94	*	NS	NS	NS	NS			A03, A08
	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/S	W 146	W 146	*	NS	NS	NS	NS			
Equipment treatment., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 41	V 41	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 47	V 47	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A08, A25(1)
	SC/L	V 53	V 53	*	NS	NS	NS	NS			A08, A25(2), A31(75), A32(100)
	SC/L	V 82	V 82	*	NS	NS	NS	NS			A08, A32(120), A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 94	V 94	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 105	V 105	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 117	V 234	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 146	V 146	*	NS	NS	NS	NS			A08, C23, A25(1)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A08, A25(2)
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A10(2), A03
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A06, A10(2)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A18(4.5), A29(500), A25(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
	SC/S	W 73	W 73	*	NS	NS	NS	NS			A08, A25(0.5), A26(2)
Immersion., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Immersion., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 41	V 41	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 49	V 49	*	NS	NS	NS	NS			A08, A13, A25(1), A26(2)
	SC/L	V 66	V 66	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A18(4.5)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 1230	V 1230	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 2010	V 2010	*	NS	NS	NS	NS			A08, A29(500), A06, A25(2), A29(500)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 41	V 41	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A03
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Mop., Not on label., Mop., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 117	V 234	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Pour-on., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Rinse., Not on label., Dishwashing machine., Hard., Not applicable for this use.	SC/L	V 246	V 246	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23
Rinse., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 102	V 102	*	NS	NS	NS	NS			C23, A08, A25(1)
	SC/L	V 133	V 133	*	NS	NS	NS	NS			A13, A10(1)
	SC/L	V 141	V 141	*	NS	NS	NS	NS			A03, A10(2), A08, A03
	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08, A06
Soak., Not on label., Bath., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A10(1), A29(500)
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A10(1), A29(500)
Spray., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 82	V 82	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 117	V 234	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, C23
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, A29(400), A10(0.5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08
	SC/L	V 398	V 398	*	NS	NS	NS	NS			A08
Swab., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 234	V 234	*	NS	NS	NS	NS			A08, A25(2)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Swab., Not on label., Swab., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A03
EATING ESTABLISHMENTS FOOD HANDLING AREAS (FOOD CONTACT) Use Group: INDOOR FOOD											
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10), A13
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10), A13
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10), A13
	SC/L	V 1688	V 1688	*	NS	NS	NS	NS			A03, A03
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10), A13
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
	SC/L	V 750	V 750	*	NS	NS	NS	NS			A06

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EATING ESTABLISHMENTS FOOD HANDLING AREAS (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1500	V 1500	*	NS	NS	NS	NS			
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10), A13
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10), A13
Wipe-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
EATING ESTABLISHMENTS FOOD SERVING AREAS (FOOD CONTACT) Use Group: INDOOR FOOD											
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
Soak., Not on label., Bath., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
	SC/S	W 146	W 146	*	NS	NS	NS	NS			
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
EGG HANDLING EQUIPMENT (COMMERCIAL) Use Group: INDOOR FOOD											
Rinse., Final rinse., Not on label., Hard., Not applicable for this use.	SC/L	V 148	V 148	*	NS	NS	NS	NS			A08, A10(1)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
EGG WASHING TREATMENTS (COMMERCIAL)			Use Group: INDOOR FOOD								
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 125	V 250	*	NS	NS	NS	NS			A08
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, C23
FOOD DISPENSING EQUIPMENT/VENDING MACHINES			Use Group: INDOOR FOOD								
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A10(2)
	SC/L	V 488	V 488	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, C23, A10(2)
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
FOOD MARKETING/STORAGE/DISTRIBUTION EQUIPMENT/UTENSILS (FOOD CONTACT)			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD MARKETING/STORAGE/DISTRIBUTION EQUIPMENT/UTENSILS (FOOD CONTACT) Use Group: INDOOR FOOD (con't)											
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) Use Group: INDOOR FOOD											
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			A13, A08, A08, A25(1)
	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 344	V 344	*	NS	NS	NS	NS			A03, A13, A25(2), A26(5)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(1)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 781	V 781	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, C23, A25(2), A26(5)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A30, A29(400), A25(1), A26(2)
	SC/L	V 2344	V 2344	*	NS		NS	NS	NS		A08, C23, A25(2), A26(5)
Brush-on., Not on label., Brush., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS		NS	NS	NS		A13, A30, A25(1), A26(2), A08
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 111	V 111	*	NS		NS	NS	NS		C23, A25(2)
	SC/L	V 488	V 488	*	NS		NS	NS	NS		A08, C23, A10(2)
	SC/L	V 762	V 762	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 762	V 762	*	NS		NS	NS	NS		A08, C23, A10(2)
	SC/L	V 879	V 879	*	NS		NS	NS	NS		A18(2.0), A25(5), A26(10)
	SC/L	V 1099	V 1099	*	NS		NS	NS	NS		A08, A10(10)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 1641	V 3281	*	NS		NS	NS	NS		C23, A25(1)
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 123	V 123	*	NS		NS	NS	NS		A08, A29(500), A32(120), C23, A10(1)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 123	V 123	*	NS		NS	NS	NS		A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 249	V 249	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 293	V 293	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 305	V 305	*	NS		NS	NS	NS		A08, A06, A10(10)
	SC/L	V 586	V 586	*	NS		NS	NS	NS		A08, C23, A25(2), A26(5)
	SC/L	V 732	V 732	*	NS		NS	NS	NS		C23, A08, A10(5)
	SC/L	V 879	V 879	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A08, C23, A25(2), A26(5)
	SC/L	V 1172	V 1172	*	NS		NS	NS	NS		A30, A29(400), A25(1), A26(2)
Closed circulation system treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 703	V 703	*	NS		NS	NS	NS		A08, A29(500), A25(1)
	SC/S	W 146	W 146	*	NS		NS	NS	NS		A08, A25(0.5), A26(2)
Conveyor treatment., Continuous feed (initial)., Sprayer., Hard., Not applicable for this use.	SC/L	V 102	V 102	*	NS		NS	NS	NS		A08
Dip., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 234	V 234	*	NS		NS	NS	NS		C23, C04, A08, A25(2)
	SC/L	V 250	V 250	*	NS		NS	NS	NS		A08, A25(2)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 742	V 742	*	NS	NS	NS	NS			A08, A06
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.											
	SC/L	V 10	V 10	*	NS	NS	NS	NS			A08
	SC/L	V 75	V 75	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 94	V 94	*	NS	NS	NS	NS			A03, A08
	SC/L	V 111	V 111	*	NS	NS	NS	NS			C23, A25(2)
	SC/L	V 141	V 141	*	NS	NS	NS	NS			A03, A03
	SC/L	V 148	V 148	*	NS	NS	NS	NS			A25(1)
	SC/L	V 188	V 188	*	NS	NS	NS	NS			A08
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A03, A10(5)
	SC/L	V 281	V 281	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 488	V 488	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 762	V 762	*	NS	NS	NS	NS			A08, C23, A10(2)
	SC/L	V 859	V 859	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 1641	V 3281	*	NS	NS	NS	NS			C23, A25(1), A08
Equipment treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 469	V 469	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
Equipment treatment., Not on label., Pump., Hard., Not applicable for this use.	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A25(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A18(2.0), A25(2)
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)
Fog., Not on label., Fogger., Hard., Not applicable for this use.	SC/L	V 1112	V 1112	*	NS	NS	NS	NS			A08, A10(5)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 41	V 41	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 82	V 82	*	NS	NS	NS	NS			A08, A32(120), A10(10)
	SC/L	V 109	V 109	*	NS	NS	NS	NS			A08
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A25(1)
	SC/L	V 133	V 133	*	NS	NS	NS	NS			A13, A08, A25(1)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A03, A10(1)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, C23, A10(10)
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1112	V 1112	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 1168	V 1168	*	NS	NS	NS	NS			A08, A25(1)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(1000), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, A29(400), A10(2)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
	SC/S	W 146	W 146	*	NS	NS	NS	NS			A08, A25(0.5), A26(2)
Immersion., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 146	V 146	*	NS	NS	NS	NS			A08, C23, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Immersion., Not on label., Tank., Hard., Not applicable for this use.	SC/L	V 41	V 41	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 41	V 41	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Groups: INDOOR FOOD (con't)							
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Mop., Not on label., Mop., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 133	V 133	*	NS	NS	NS	NS			A13, A08, A25(1)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 1112	V 1112	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Pour-on., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Rinse., Final rinse., Not on label., Hard., Not applicable for this use.	SC/L	V 37.5	V 37.5	*	NS	NS	NS	NS			A08
	SC/L	V 75	V 75	*	NS	NS	NS	NS			A10(1)
	SC/L	V 148	V 148	*	NS	NS	NS	NS			A10(1)
Rinse., Not on label., Dishwashing machine., Hard., Not applicable for this use.	SC/L	V 246	V 246	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23
Rinse., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 25	V 25	*	NS	NS	NS	NS			A08
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 297	V 297	*	NS	NS	NS	NS			

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 742	V 742	*	NS	NS	NS	NS			A08, A06
Soak., Not on label., Bath., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			A13, A08, A08, A25(1)
	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A30, A29(400), A25(1), A26(2)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 106	V 106	*	NS	NS	NS	NS			A13, A08, A08, A25(1)
	SC/L	V 106	V 106	*	NS	NS	NS	NS			C23, A13, A08, A08, A25(1), A29(500)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
Spray., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A10(1)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A30, A29(400)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 37.5	V 37.5	*	NS	NS	NS	NS			
	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 74	V 148	*	NS	NS	NS	NS			
	SC/L	V 75	V 75	*	NS	NS	NS	NS			
	SC/L	V 82	V 82	*	NS	NS	NS	NS			A08, A32(120), A25(1), A29(500)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A08, A25(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A03, A25(1), A26(5)
	SC/L	V 249	V 249	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 293	V 293	*	NS	NS	NS	NS			A08, C23
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A08, A29(500), A25(1)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 781	V 781	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 879	V 879	*	NS	NS	NS	NS			A18(2.0)
	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
	SC/L	V 1112	V 1112	*	NS	NS	NS	NS			A08, A10(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 1641	V 1641	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, A29(1000), A10(2)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, A29(400), A10(0.5)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
	SC/S	W 146	W 146	*	NS	NS	NS	NS			A08, A25(0.5), A26(2)

USES ELIGIBLE FOR REREGISTRATION

FOOD/FEED USES (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 123	V 123	*	NS	NS	NS	NS			A08, A29(500), A32(120), C23, A25(2)
	SC/L	V 1641	V 3281	*	NS	NS	NS	NS			C23, A08, A25(1)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Swab., Not on label., Swab., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Transportation vehicle treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 1099	V 1099	*	NS	NS	NS	NS			A08, A10(1)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 742	V 742	*	NS	NS	NS	NS			A08, A06
FOOD PROCESSING PLANT PREMISES (NONFOOD CONTACT)			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT PREMISES (NONFOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 74	V 148	*	NS		NS	NS	NS		
	SC/L	V 732	V 732	*	NS		NS	NS	NS		C23, A08, A10(5)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 49	V 49	*	NS		NS	NS	NS		A08, A13
	SC/L	V 188	V 188	*	NS		NS	NS	NS		A03
	SC/L	V 293	V 293	*	NS		NS	NS	NS		A08, C23, A10(10)
	SC/L	V 316	V 316	*	NS		NS	NS	NS		A08, A25(10)
	SC/L	V 750	V 750	*	NS		NS	NS	NS		A06, A25(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 49	V 49	*	NS		NS	NS	NS		A08, A13
	SC/L	V 527	V 527	*	NS		NS	NS	NS		A08, A25(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A08, A25(10), A06, C17
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
HUMAN DRINKING WATER SYSTEMS			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A10(10)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A10(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A10(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
HUMAN DRINKING WATER SYSTEMS (con't)				Use Group: INDOOR FOOD (con't)							
Water related surface treatment., Not on label., Brush., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A30, A25(10)
Water related surface treatment., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A30, A25(10)
Water related surface treatment., Not on label., Not on label., Not Applicable., Not applicable for this use.	P/T	W 130,000	W 130,000	*	NS		NS	NS	NS		
	SC/L	W 202,561	W 202,561	*	NS		NS	NS	NS		
Water related surface treatment., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A30, A25(10)
Water related surface treatment., Not on label., Swab., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A30, A25(10)
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS		NS	NS	NS		A10(10)
LIVESTOCK				Use Group: INDOOR FOOD							
Feeding and watering appliance treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS		NS	NS	NS		A13, A06, C16, C04, A25(10)
MEAT PROCESSING PLANT EQUIPMENT (FOOD CONTACT)				Use Group: INDOOR FOOD							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS		NS	NS	NS		A08, A10(2)
	SC/L	V 234	V 234	*	NS		NS	NS	NS		C23, C04, A08, A10(2)
	SC/L	V 250	V 250	*	NS		NS	NS	NS		A13, A08, A25(1), A26(2)
	SC/L	V 344	V 344	*	NS		NS	NS	NS		A03, A13, A25(2), A26(5)
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A06, A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
MEAT PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
Brush-on., Not on label., Brush., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Circulate-in-place (CIP) treatment., Not on label., Pump., Hard., Not applicable for this use.	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A10(2), A08
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
Dip., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.											
	SC/L	V 10	V 10	*	NS	NS	NS	NS			A08
	SC/L	V 141	V 141	*	NS	NS	NS	NS			A03, A03
	SC/L	V 150	V 150	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 188	V 188	*	NS	NS	NS	NS			A08
	SC/L	V 281	V 281	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 859	V 859	*	NS	NS	NS	NS			A08, A25(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
MEAT PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
Equipment treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 469	V 469	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Immersion., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Mop., Not on label., Mop., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
MEAT PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Pour-on., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Rinse., Final rinse., Not on label., Hard., Not applicable for this use.	SC/L	V 148	V 148	*	NS	NS	NS	NS			A10(1)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A10(2), A08
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A25(1), A26(2)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Swab., Not on label., Swab., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
MEAT PROCESSING PLANT PREMISES (NONFOOD CONTACT)				Use Group: INDOOR FOOD							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
MEAT PROCESSING PLANT PREMISES (NONFOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 469	V 469	*	NS	NS	NS	NS			C23, C04, A08, A10(2)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
MUSHROOM HOUSES-EMPTY PREMISES/EQUIPMENT			Use Group: GREENHOUSE FOOD CROP								
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 150	V 150	*	NS	NS	NS	NS			A08, A25(2)
Spray., Not on label., Sprayer., Not Applicable., Not applicable for this use.	SC/L	V 63	V 63	*	NS	NS	NS	NS			C04, A08
POULTRY (EGG/MEAT)			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
Feeding and watering appliance treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
	SC/L	V 638	V 638	*	NS	NS	NS	NS			A13, A06, C16, C04, A25(10)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10), C16, C04

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
POULTRY DRINKING WATER			Use Group: INDOOR FOOD								
Water treatment., Not on label., Not on label., Not Applicable., Not applicable for this use.	SC/L	V 38	V 38	*	NS	NS	NS	NS			
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A13
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A13, A30
POULTRY PROCESSING PLANT EQUIPMENT (FOOD CONTACT)			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A08, A10(2)
	SC/L	V 344	V 344	*	NS	NS	NS	NS			A03, A13, A25(2), A26(5)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
Brush-on., Not on label., Brush., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Circulate-in-place (CIP) treatment., Not on label., Pump., Hard., Not applicable for this use.	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A10(2), A08
Circulation method., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
POULTRY PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)				Use Group: INDOOR FOOD (con't)							
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
Dip., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 10	V 10	*	NS	NS	NS	NS			A08
	SC/L	V 141	V 141	*	NS	NS	NS	NS			A03, A03
	SC/L	V 150	V 150	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 188	V 188	*	NS	NS	NS	NS			A08
	SC/L	V 281	V 281	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 859	V 859	*	NS	NS	NS	NS			A08, A25(2)
Equipment treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 469	V 469	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
Flush treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 51	V 51	*	NS	NS	NS	NS			A08, A25(2), A26(5)
	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A10(2), A03
	SC/L	V 586	V 586	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
POULTRY PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't) Use Group: INDOOR FOOD (con't)											
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Immersion., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A03
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Mop., Not on label., Mop., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Pour-on., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Rinse., Final rinse., Not on label., Hard., Not applicable for this use.	SC/L	V 148	V 148	*	NS	NS	NS	NS			A10(1)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 102	V 102	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 125	V 125	*	NS	NS	NS	NS			A08, A10(2)
	SC/L	V 234	V 234	*	NS	NS	NS	NS			C23, C04, A10(2), A08
	SC/L	V 305	V 305	*	NS	NS	NS	NS			A08, A06, A10(10)
	SC/L	V 732	V 732	*	NS	NS	NS	NS			C23, A08, A10(5)
	SC/L	V 1172	V 1172	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, C23, A25(2), A26(5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
POULTRY PROCESSING PLANT EQUIPMENT (FOOD CONTACT) (con't)			Use Group: INDOOR FOOD (con't)								
	SC/L	V 2637	V 2637	*	NS	NS	NS	NS			C23, A08, A03, A10(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A06, A08
Swab., Not on label., Swab., Hard., Sanitizer.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A30, A25(1), A26(2), A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A06, A03
POULTRY PROCESSING PLANT PREMISES (NONFOOD CONTACT)			Use Group: INDOOR FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 469	V 469	*	NS	NS	NS	NS			C23, C04, A08, A10(2)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED											
AGRICULTURAL/FARM EQUIPMENT/SHOE BATHS			Use Group: INDOOR NON-FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Immersion., Not on label., Not on label., Hard., Sanitizer.	SC/L	V 3750	V 3750	*	NS	NS	NS	NS			A13, A30, A10(0.5)
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Soak., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 3750	V 3750	*	NS	NS	NS	NS			A13, A10(0.5)
ANIMAL KENNELS/SLEEPING QUARTERS (COMMERCIAL)			Use Group: INDOOR NON-FOOD								
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
Equipment treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
Indoor premise treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
Indoor premise treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
BATHROOM PREMISES/HARD SURFACES			Use Group: INDOOR RESIDENTIAL								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.											
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A10(10)
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A30, A25(10)
Foam application., Not on label., Foaming apparatus., Hard., Not applicable for this use.	SC/L	V 41000	V 41000	*	NS	NS	NS	NS			A13, A10(2)

USES ELIGIBLE FOR REREGISTRATION

NON-FOOD/NON-FEED (con't)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
BATHROOM PREMISES/HARD SURFACES (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
	SC/L	V 82000	V 82000	*	NS	NS	NS	NS			A13, A10(2)
Mop., Not on label., Mop., Hard., Fungicide/Fungistat.	SC/L	V 531	V 531	*	NS	NS	NS	NS			A13
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	RTU	W 146,000	W 146,000	*	NS	NS	NS	NS			C23, A30, A25(10)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
	SC/L	V 18750	V 18750	*	NS	NS	NS	NS			A10(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	RTU	W 146,000	W 146,000	*	NS	NS	NS	NS			C23, A30, A25(10)
	SC/L	V 5801	V 5801	*	NS	NS	NS	NS			A08
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A10(10)
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A30, A25(10)
Spray., Not on label., Cloth., Hard., Organic soil.	RTU	W 120,000	W 120,000	*	NS	NS	NS	NS			A30, A10(5)
Spray., Not on label., Sponge., Hard., Organic soil.	RTU	W 120,000	W 120,000	*	NS	NS	NS	NS			A30, A10(5)
Spray., Not on label., Sprayer., Hard., Fungicide/Fungistat.	SC/L	V 531	V 531	*	NS	NS	NS	NS			A13
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
BATHROOM PREMISES/HARD SURFACES (con't)			Use Group: INDOOR RESIDENTIAL (con't)								
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 49	V 49	*	NS	NS	NS	NS			A08, A13
	SC/L	V 750	V 750	*	NS	NS	NS	NS			
	SC/L	V 1758	V 1758	*	NS	NS	NS	NS			A08, A10(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 49	V 49	*	NS	NS	NS	NS			A08, A13
Swab., Not on label., Bowl mop., Hard., Not applicable for this use.	SC/L	W 44,910	W 44,910	*	NS	NS	NS	NS			A08
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A10(10)
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A30, A25(10)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	SC/L	V 20833	V 20833	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	RTU	U 146,000	U 146,000	*	NS	NS	NS	NS			C23, A30, A25(10)
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A10(10)
	SC/L	W 66,666	W 66,666	*	NS	NS	NS	NS			A30, A25(10)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL FLOORS			Use Group: INDOOR NON-FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL FLOORS (con't)			Use Group: INDOOR NON-FOOD (con't)								
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Scrub., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Scrub., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Scrub., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Spray., Not on label., Cloth., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS	NS	NS	NS			A30, A10(5)
Spray., Not on label., Sponge., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS	NS	NS	NS			A30, A10(5)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (INDOOR)			Use Group: INDOOR NON-FOOD								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Mop., Not on label., Mop., Hard., Fungicide/Fungistat.	SC/L	V 531	V 531	*	NS	NS	NS	NS			A13
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A10(10)
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (INDOOR) (con't) Use Group: INDOOR NON-FOOD (con't)											
Scrub., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Scrub., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A10(10)
Spray., Not on label., Cloth., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS	NS	NS	NS			A30, A10(5)
Spray., Not on label., Sponge., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS	NS	NS	NS			A30, A10(5)
Spray., Not on label., Sprayer., Hard., Fungicide/Fungistat.	SC/L	V 531	V 531	*	NS	NS	NS	NS			A13
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 188	V 188	*	NS	NS	NS	NS			A03
	SC/L	V 281	V 281	*	NS	NS	NS	NS			A03, A08
	SC/L	V 398	V 398	*	NS	NS	NS	NS			A08
	SC/L	V 750	V 750	*	NS	NS	NS	NS			
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 563	V 563	*	NS	NS	NS	NS			A03, A08
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A08
	SC/L	V 1500	V 1500	*	NS	NS	NS	NS			

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (INDOOR) (con't) Use Group: INDOOR NON-FOOD (con't)											
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03
	SC/L	V 664	V 664	*	NS	NS	NS	NS			A13, A25(10)
EATING ESTABLISHMENTS Use Group: INDOOR NON-FOOD											
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 188	V 188	*	NS	NS	NS	NS			A03
EATING ESTABLISHMENTS FOOD SERVING AREAS (NONFOOD CONTACT) Use Group: INDOOR NON-FOOD											
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/S	W 146	W 146	*	NS	NS	NS	NS			
EGG HANDLING EQUIPMENT (HATCHING) Use Group: INDOOR NON-FOOD											
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 281	V 281	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 316	V 316	*	NS	NS	NS	NS			A08, A25(10)
Equipment treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 469	V 469	*	NS	NS	NS	NS			A08, A25(2)
	SC/L	V 527	V 527	*	NS	NS	NS	NS			A08, A25(10)
EGG PLANTS/HATCHERIES/BROODER ROOMS/SHOE BATHS (HATCHING) Use Group: INDOOR NON-FOOD											
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 3750	V 3750	*	NS	NS	NS	NS			A13, A30, A10(0.5)
Soak., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 3750	V 3750	*	NS	NS	NS	NS			A13, A10(0.5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
EGG PLANTS/HATCHERIES/BROODER ROOMS/SHOE BATHS (HATCHING) (con't)			Use Group: INDOOR NON-FOOD (con't)								
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 281	V 281	*	NS		NS	NS	NS		A08, A25(10)
	SC/L	V 316	V 316	*	NS		NS	NS	NS		A08, A25(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 469	V 469	*	NS		NS	NS	NS		A08, A25(10)
	SC/L	V 527	V 527	*	NS		NS	NS	NS		A08, A25(10)
HOSPITAL CONDUCTIVE FLOORS			Use Group: INDOOR MEDICAL								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 738	V 738	*	NS		NS	NS	NS		A08, A25(10)
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
HOSPITAL CRITICAL ITEMS (SURGICAL INSTRUMENTS/PACEMAKERS)			Use Group: INDOOR MEDICAL								
Immersion., Not on label., Heated sterilizing tray., Hard., Not applicable for this use.	RTU	W 85,000	W 85,000*		NS		NS	NS	NS		A08, A10(10), A16, A36(50)
Immersion., Not on label., Heating bath., Hard., Not applicable for this use.	RTU	W 85,000	W 85,000*		NS		NS	NS	NS		A08, A10(10), A16, A36(50)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 85,000	W 85,000*		NS		NS	NS	NS		A08, A10(10), A16
	RTU	W 85,000	W 85,000*		NS		NS	NS	NS		A08, A11(6), A16
	SC/L	V 309	V 309	*	NS		NS	NS	NS		A03
	SC/L	V 469	V 469	*	NS		NS	NS	NS		A08, A25(2)
	SC/L	V 703	V 703	*	NS		NS	NS	NS		A03, A08, A03

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITAL CRITICAL ITEMS (SURGICAL INSTRUMENTS/PACEMAKERS) (con't)				Use Group: INDOOR MEDICAL (con't)							
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS	NS		A13, A08, A25(15)
	SC/L	V 2125	V 2125	*	NS		NS	NS	NS		C23, A13, A08, A25(10), A06, A08
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS		NS	NS	NS		A03
	SC/L	V 664	V 664	*	NS		NS	NS	NS		A08, A10(10)
	SC/L	V 750	V 750	*	NS		NS	NS	NS		A25(10), A08
HOSPITAL NONCRITICAL ITEMS (BEDPANS/FURNITURE)				Use Group: INDOOR MEDICAL							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS		NS	NS	NS		A03
	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
	SC/L	V 703	V 703	*	NS		NS	NS	NS		A03, A03
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
	SC/L	V 638	V 638	*	NS		NS	NS	NS		C23, A13, A08, A25(10), A06
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS		NS	NS	NS		C23, A13, A08, A25(10), A06
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS		NS	NS	NS		A03
	SC/L	V 664	V 664	*	NS		NS	NS	NS		A08, A10(10)
	SC/L	V 703	V 703	*	NS		NS	NS	NS		A03
	SC/L	V 750	V 750	*	NS		NS	NS	NS		A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITAL NONCRITICAL ITEMS (BEDPANS/FURNITURE) (con't)			Use Group: INDOOR MEDICAL (con't)								
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03
HOSPITAL SEMICRITICAL ITEMS (CATHETERS/INHALATION EQUIPMENT) S			Use Group: INDOOR MEDICAL								
Immersion., Not on label., Heated sterilizing tray., Hard., Not applicable for this use.	RTU	W 85,000	W 85,000*		NS	NS	NS	NS			A08, A10(10), A16, A36(50)
Immersion., Not on label., Heating bath., Hard., Not applicable for this use.	RTU	W 85,000	W 85,000*		NS	NS	NS	NS			A08, A16, A10(10), A36(50)
Immersion., Not on label., Not on label., Hard., Not applicable for this use.	RTU	W 85,000	W 85,000*		NS	NS	NS	NS			A08, A10(10), A16
	RTU	W 85,000	W 85,000*		NS	NS	NS	NS			A08, A11(6), A16
	SC/L	V 703	V 703	*	NS	NS	NS	NS			A03
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 2125	V 2125	*	NS	NS	NS	NS			C23, A13, A08, A25(10), A06, A08
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A08, A10(10)
	SC/L	V 750	V 750	*	NS	NS	NS	NS			A25(10)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
HOSPITAL/MEDICAL INSTITUTIONS NON-CONDUCTIVE FLOORS			Use Group: INDOOR MEDICAL								
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITAL/MEDICAL INSTITUTIONS NON-CONDUCTIVE FLOORS (con't)				Use Group: INDOOR MEDICAL (con't)							
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS			A13, A30, A10(10), A08, C16, C04
	SC/L	V 1328	V 1328	*	NS		NS	NS			A13, A25(10)
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS			A13, A25(10)
Mop., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS		NS	NS			A03
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS		NS	NS			A13, A30, A10(10), A08, C16, C04
Scrub., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS		NS	NS			C23, A08
Scrub., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS		NS	NS			C23, A08
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS			A13, A25(10)
Scrub., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS		NS	NS			C23, A08
Spray., Not on label., Cloth., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS		NS	NS			A30, A10(5)
Spray., Not on label., Sponge., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS		NS	NS			A30, A10(5)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS		NS	NS			A13, A08, A10(5)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 188	V 188	*	NS		NS	NS			A03
	SC/L	V 738	V 738	*	NS		NS	NS			A08, A25(10)
	SC/L	V 750	V 750	*	NS		NS	NS			A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITAL/MEDICAL INSTITUTIONS NON-CONDUCTIVE FLOORS (con't)			Use Group: INDOOR MEDICAL (con't)								
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)
	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
HOSPITALS/MEDICAL INSTITUTIONS CRITICAL PREMISES (BURN WARDS			Use Group: INDOOR MEDICAL								
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 335	V 335	*	NS	NS	NS	NS			A08, A10(10)
	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A13, A25(10), A06
	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Mop., Not on label., Mop., Hard., Organic soil.	SC/L	V 335	V 335	*	NS	NS	NS	NS			A08, A10(5), A03
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A13, A25(10), A06
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 335	V 335	*	NS	NS	NS	NS			A08, A10(10)
Spray., Not on label., Sprayer., Hard., Organic soil.	SC/L	V 335	V 335	*	NS	NS	NS	NS			A08, A10(5), A03

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS CRITICAL PREMISES (BURN WARDS (con't) Use Group: INDOOR MEDICAL (con't)											
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 738	V 738	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 750	V 750	*	NS	NS	NS	NS			A25(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1500	V 1500	*	NS	NS	NS	NS			
Wipe-on., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 335	V 335	*	NS	NS	NS	NS			A08, A10(10)
Wipe-on., Not on label., Cloth., Hard., Organic soil.	SC/L	V 335	V 335	*	NS	NS	NS	NS			A08, A10(5), A03
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
HOSPITALS/MEDICAL INSTITUTIONS NONCRITICAL PREMISES Use Group: INDOOR MEDICAL											
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 750	V 750	*	NS	NS	NS	NS			A25(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1500	V 1500	*	NS	NS	NS	NS			
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 250	V 250	*	NS	NS	NS	NS			A13, A08, A10(5)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS NONCRITICAL PREMISES (con't) Use Group: INDOOR MEDICAL (con't)											
	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
HOSPITALS/MEDICAL INSTITUTIONS PATIENT PREMISES Use Group: INDOOR MEDICAL											
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A13, A25(10), A06
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A13, A25(10), A06
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 738	V 738	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 750	V 750	*	NS	NS	NS	NS			A25(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1500	V 1500	*	NS	NS	NS	NS			
HOSPITALS/MEDICAL INSTITUTIONS PREMISES (HUMAN/VETERINARY) Use Group: INDOOR MEDICAL											
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A13, A25(10), A06
	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS PREMISES (HUMAN/VETERINARY) (con't) Use Group: INDOOR MEDICAL (con't)											
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Scrub., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Scrub., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS	NS	NS	NS			C23, A08
Soak., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 425	V 425	*	NS	NS	NS	NS			A13, A06, A08, A25(10)
Sponge-on., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 638	V 638	*	NS	NS	NS	NS			C23, A13, A08, A13, A25(10), A06
Spray., Not on label., Cloth., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS	NS	NS	NS			A30, A10(5)
Spray., Not on label., Sponge., Hard., Organic soil.	RTU	W 120,000	W 120,000*		NS	NS	NS	NS			A30, A10(5)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 49	V 49	*	NS	NS	NS	NS			A08, A13
	SC/L	V 188	V 188	*	NS	NS	NS	NS			A03
	SC/L	V 281	V 281	*	NS	NS	NS	NS			A03, A08
	SC/L	V 309	V 309	*	NS	NS	NS	NS			A03, A03
	SC/L	V 750	V 750	*	NS	NS	NS	NS			A25(10)
Surface treatment., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 49	V 49	*	NS	NS	NS	NS			A08, A13
	SC/L	V 563	V 563	*	NS	NS	NS	NS			A03, A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
HOSPITALS/MEDICAL INSTITUTIONS PREMISES (HUMAN/VETERINARY) (con't)				Use Group: INDOOR MEDICAL (con't)							
	SC/L	V 619	V 619	*	NS	NS	NS	NS			A03, A03
	SC/L	V 1500	V 1500	*	NS	NS	NS	NS			
Swab., Not on label., Swab., Hard., Not applicable for this use.	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A08, A25(10)
	SC/L	V 625	V 625	*	NS	NS	NS	NS			A13, A30, A10(10), A08, C16, C04
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
INDUSTRIAL PROCESSING WATER				Use Group: AQUATIC NON-FOOD INDUSTRIAL							
Water treatment., Initial., Not on label., Not Applicable., Not applicable for this use.	SC/L	V 30	V 30	*	NS	NS	NS	NS			
	SC/L	V 35	V 35	*	NS	NS	NS	NS			
Water treatment., Not on label., Not on label., Not Applicable., Not applicable for this use.	SC/L	V 125	V 250	*	NS	NS	NS	NS			A13
MORGUES/MORTUARIES/AUTOPSY/EMBALMING EQUIPMENT				Use Group: INDOOR MEDICAL							
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)
MORGUES/MORTUARIES/AUTOPSY/EMBALMING ROOM PREMISES				Use Group: INDOOR MEDICAL							
Mop., Not on label., Mop., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS	NS	NS	NS			A13, A25(10)

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
MORGUES/MORTUARIES/AUTOPSY/EMBALMING ROOM PREMISES (con't)				Use Group: INDOOR MEDICAL (con't)							
Mop., Not on label., Mop., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS	NS		A13, A25(10)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS	NS		A13, A25(10)
Scrub., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS	NS		A13, A25(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 750	V 750	*	NS		NS	NS	NS		A25(10)
Wipe-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS	NS		A13, A25(10)
Wipe-on., Not on label., Not on label., Porous., Not applicable for this use.	SC/L	V 1328	V 1328	*	NS		NS	NS	NS		A13, A25(10)
MUSHROOM HOUSES-EMPTY PREMISES/EQUIPMENT				Use Group: INDOOR NON-FOOD							
Spray., Not on label., Sprayer., Hard., Not applicable for this use.	SC/L	V 449	V 449	*	NS		NS	NS	NS		A08
Spray., Not on label., Sprayer., Not Applicable., Not applicable for this use.	SC/L	V 193	V 385	*	NS		NS	NS	NS		C04, A08
PET LIVING/SLEEPING QUARTERS				Use Group: INDOOR RESIDENTIAL							
Scrub., Not on label., Brush., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS		NS	NS	NS		C23, A08
Scrub., Not on label., Cloth., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS		NS	NS	NS		C23, A08
Scrub., Not on label., Sponge., Hard., Not applicable for this use.	SC/L	V 305	V 305	*	NS		NS	NS	NS		C23, A08
REFUSE/SOLID WASTE CONTAINERS (GARBAGE CANS)				Use Group: INDOOR RESIDENTIAL							
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 750	V 750	*	NS		NS	NS	NS		
TOILET BOWLS (INTERIOR SURFACES)				Use Group: INDOOR RESIDENTIAL							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	W 160,000	W 160,000*		NS		NS	NS	NS		A13, A30, A10(10), A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
TOILET BOWLS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
	SC/L	V 1667	V 1667	*	NS	NS	NS	NS			A13, A08
Mop., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 225,000	W 225,000	*	NS	NS	NS	NS			A13
Pour-on., Not on label., Bowl mop., Hard., Not applicable for this use.	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A25(10)
	SC/L	V 1403	V 1403	*	NS	NS	NS	NS			
	SC/L	V 2344	V 2344	*	NS	NS	NS	NS			A08, A25(10)
	SC/L	V 2578	V 2578	*	NS	NS	NS	NS			A08
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			
Pour-on., Not on label., Package applicator., Hard., Not applicable for this use.	RTU	W 60,000	W 60,000	*	NS	NS	NS	NS			C23, A08, A10(10)
Pour-on., Not on label., Swab., Hard., Not applicable for this use.	RTU	W 60,000	W 60,000	*	NS	NS	NS	NS			
Swab., Not on label., Bowl mop., Hard., Organic soil.	SC/L	V 3542	V 3542	*	NS	NS	NS	NS			A29(400), A30, A13, A10(10)
Swab., Not on label., Brush., Hard., Organic soil.	SC/L	V 3542	V 3542	*	NS	NS	NS	NS			A29(400), A30, A13, A10(10)
Swab., Not on label., Mop., Hard., Not applicable for this use.	RTU	No Calc	No Calc	*	NS	NS	NS	NS			A08, A10(10)
Swab., Not on label., Package applicator., Hard., Not applicable for this use.	RTU	W 250,000	W 250,000	*	NS	NS	NS	NS			
Swab., Not on label., Swab., Hard., Not applicable for this use.	RTU	W 146,000	W 146,000	*	NS	NS	NS	NS			A10(3)
	RTU	W 200,000	W 200,000	*	NS	NS	NS	NS			C23, A30, A10(10)
	SC/L	W 80,000	W 80,000	*	NS	NS	NS	NS			
	SC/L	W 80,000	W 80,000	*	NS	NS	NS	NS			A13, A30, A10(10), A08

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
TOILET BOWLS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
	SC/L	W 80,000	W 80,000	*	NS	NS	NS	NS			A25(10)
	SC/L	V 1667	V 1667	*	NS	NS	NS	NS			A13, A08
	SC/L	V 20833	V 20833	*	NS	NS	NS	NS			A08
Wipe-on., Not on label., Package applicator., Hard., Not applicable for this use.	RTU	W 450,000	W 450,000	*	NS	NS	NS	NS			A13, A10(10)
URINALS (INTERIOR SURFACES)				Use Group: INDOOR RESIDENTIAL							
Brush-on., Not on label., Brush., Hard., Not applicable for this use.	SC/L	W 160,000	W 160,000	*	NS	NS	NS	NS			A13, A08
	SC/L	W 160,000	W 160,000	*	NS	NS	NS	NS			A13, A30, A10(10), A08
Flush treatment., Not on label., Package applicator., Hard., Not applicable for this use.	IMPR	W 450,000	W 450,000	*	NS	NS	NS	NS			A08
Mop., Not on label., Bowl mop., Hard., Not applicable for this use.	RTU	W 145,000	W 145,000	*	NS	NS	NS	NS			A13
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			A08, A25(10)
Mop., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 160,000	W 160,000	*	NS	NS	NS	NS			A13
	RTU	W 160,000	W 160,000	*	NS	NS	NS	NS			C23, A08, A10(10)
Not on label., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 664	V 664	*	NS	NS	NS	NS			A08
Pour-on., Not on label., Bowl mop., Hard., Not applicable for this use.	SC/L	W 225,000	W 225,000	*	NS	NS	NS	NS			A08
	SC/L	W 225,000	W 225,000	*	NS	NS	NS	NS			A25(10)
Pour-on., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 200,000	W 200,000	*	NS	NS	NS	NS			C23, A08, A10(10)
	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			
Pour-on., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	No Calc	No Calc	*	NS	NS	NS	NS			

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED (con't)											
URINALS (INTERIOR SURFACES) (con't)				Use Group: INDOOR RESIDENTIAL (con't)							
Pour-on., Not on label., Swab., Hard., Not applicable for this use.	RTU	W 60,000	W 60,000	*	NS		NS	NS	NS		
	RTU	W 60,000	W 60,000	*	NS		NS	NS	NS		A10(3)
Scrub., Not on label., Bowl mop., Hard., Organic soil.	SC/L	W 85,000	W 85,000	*	NS		NS	NS	NS		A29(400), A30, A13, A10(10)
Scrub., Not on label., Brush., Hard., Organic soil.	SC/L	W 85,000	W 85,000	*	NS		NS	NS	NS		A29(400), A30, A13, A10(10)
Scrub., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 18750	V 18750	*	NS		NS	NS	NS		A10(10)
Surface treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 703	V 703	*	NS		NS	NS	NS		A03
Swab., Not on label., Mop., Hard., Not applicable for this use.	RTU	W 21,000	W 21,000	*	NS		NS	NS	NS		A08, A10(10)
Swab., Not on label., Package applicator., Hard., Not applicable for this use.	RTU	W 250,000	W 250,000	*	NS		NS	NS	NS		
Swab., Not on label., Swab., Hard., Not applicable for this use.	RTU	W 146,000	W 146,000	*	NS		NS	NS	NS		C23, A30, A10(10)
	SC/L	W 80,000	W 80,000	*	NS		NS	NS	NS		
	SC/L	W 80,000	W 80,000	*	NS		NS	NS	NS		A13, A08
	SC/L	W 80,000	W 80,000	*	NS		NS	NS	NS		A25(10)
	SC/L	W 200,000	W 200,000	*	NS		NS	NS	NS		A13, A30, A10(10), A08
Wipe-on., Not on label., Package applicator., Hard., Not applicable for this use.	RTU	W 450,000	W 450,000	*	NS		NS	NS	NS		A13, A10(10)

LEGEND

HEADER ABBREVIATIONS
Max. Apps @ Max Rate : Maximum number of Applications at Maximum Dosage Rate
Min. Interv (days) : Minimum Interval between Applications (days)
Restr. Entry Interv (days) : Restricted Entry Interval (days)

SOIL TEXTURE FOR MAX APP. RATE
* : Non-specific
C : Coarse
M : Medium
F : Fine
O : Others

FORMULATION CODES
IMPR : IMPREGNATED MATERIAL
P/T : PELLETED/TABLETED
RTU : LIQUID-READY TO USE
SC/L : SOLUBLE CONCENTRATE/LIQUID
SC/S : SOLUBLE CONCENTRATE/SOLID

ABBREVIATIONS
AN : As Needed
NA : Not Applicable
NS : Not Specified (on label)
UC : Unconverted due to lack of data (on label)

APPLICATION RATE
DCNC : Dosage Can Not be Calculated
No Calc : No Calculation can be made
W : PPM calculated by weight
V : PPM Calculated by volume
cwt : Hundred Weight
nnE-xx : nn times (10 power -xx); for instance, "1.234E-04" is equivalent to ".0001234"

USE LIMITATIONS CODES
A03 : Hard water activity.
A06 : Potable water rinse (non-residual claim).
A08 : Preclean claim.
A10 : __ minute(s) contact time.
A11 : __ hour(s) contact time.
A13 : One-step cleaner.
A16 : Sterile water rinse.
A18 : __ pH
A25 : __ minute(s) contact time (minimum).
A29 : __ ppm hard water activity.
A30 : Preclean for heavily soiled areas.
A32 : __ F solution temperature (maximum).
C04 : Proper ventilation required.
C16 : Remove food and animals from premises prior to treatment.
C23 : NPDES license restriction.
* NUMBER IN PARENTHESES REPRESENTS THE NUMBER OF TIME UNITS (HOURS,DAYS, ETC.) DESCRIBED IN THE LIMITATION.

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
NON-FOOD/NON-FEED											
TOILET BOWLS (INTERIOR SURFACES)				Use Group: INDOOR RESIDENTIAL							
Sprinkle., Not on label., Brush., Hard., Not applicable for this use.	SC/S	30,400 W	49,250 W	*	NS		NS NS	NS			A 10 (10)
Sprinkle., Not on label., Swab., Hard., Not applicable for this use.	SC/S	30,400 W	49,250 W	*	NS		NS NS	NS			A 10 (10)

LEGEND

HEADER ABBREVIATIONS
Max. Apps @ Max Rate : Maximum number of Applications at Maximum Dosage Rate
Min. Interv (days) : Minimum Interval between Applications (days)
Restr. Entry Interv (days) : Restricted Entry Interval (days)

SOIL TEXTURE FOR MAX APP. RATE
* : Non-specific
C : Coarse
M : Medium
F : Fine
O : Others

FORMULATION CODES
SC/S : SOLUBLE CONCENTRATE/SOLID

ABBREVIATIONS
AN : As Needed
NA : Not Applicable
NS : Not Specified (on label)
UC : Unconverted due to lack of data (on label)

APPLICATION RATE
DCNC : Dosage Can Not be Calculated
No Calc : No Calculation can be made
W : PPM calculated by weight
V : PPM Calculated by volume
cwt : Hundred Weight
nnE-xx : nn times (10 power -xx); for instance, "1.234E-04" is equivalent to ".0001234"

USE LIMITATIONS
A 10 (10): 10 mimutes contact time

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES											
DAIRIES/CHEESE PROCESSING PLANT EQUIPMENT (FOOD CONTACT)			Use Group: INDOOR FOOD								
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
DAIRY FARM MILK HANDLING FACILITIES/EQUIPMENT			Use Group: INDOOR FOOD								
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
DAIRY FARM MILKING EQUIPMENT			Use Group: INDOOR FOOD								
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
EATING ESTABLISHMENTS EQUIPMENT/UTENSILS (FOOD CONTACT)			Use Group: INDOOR FOOD								
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
FOOD MARKETING/STORAGE/DISTRIBUTION EQUIPMENT/UTENSILS (FOOD CONTACT)			Use Group: INDOOR FOOD								
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23

SITE Application Type, Application Timing, Application Equipment - Surface Type & Efficacy Influencing Factor (Antimicrobial only)	Form	Minimum Application Rate	Maximum Application Rates	Soil Text (Max Dse)	Max. Apps @ Max Rate	Maximum Dose /crop cycle, or /year	Min. Interv (days)	Restr. Entry Interv (days)	Geographic Allowed	Geographic Disallowed	Use Limitations Codes
USES ELIGIBLE FOR REREGISTRATION											
FOOD/FEED USES (con't)											
FOOD PROCESSING PLANT EQUIPMENT (FOOD CONTACT)				Use Group: INDOOR FOOD							
Circulate-in-place (CIP) treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
Equipment treatment., Not on label., Not on label., Hard., Not applicable for this use.	SC/L	V 124	V 124	*	NS	NS	NS	NS			A25(2), C23
POTATO, WHITE/IRISH				Use Group: TERRESTRIAL FOOD+FEED CROP							
Dissication., Preharvest., Not on label.	RTU	NA	390.6 lb A	*	NS	NS	5	NS			H01(5)

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LEGEND

HEADER ABBREVIATIONS
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SOIL TEXTURE FOR MAX APP. RATE
* : Non-specific
C : Coarse
M : Medium
F : Fine
O : Others

FORMULATION CODES
RTU : LIQUID-READY TO USE
SC/L : SOLUBLE CONCENTRATE/LIQUID

ABBREVIATIONS
AN : As Needed
NA : Not Applicable
NS : Not Specified (on label)
UC : Unconverted due to lack of data (on label)

APPLICATION RATE
DCNC : Dosage Can Not be Calculated
No Calc : No Calculation can be made
W : PPM calculated by weight
V : PPM Calculated by volume
cwt : Hundred Weight
nnE-xx : nn times (10 power -xx); for instance, "1.234E-04" is equivalent to ".0001234"

USE LIMITATIONS CODES
A25 : __ minute(s) contact time (minimum).
H01 : __ day(s) preharvest interval.
* NUMBER IN PARENTHESES REPRESENTS THE NUMBER OF TIME UNITS (HOURS,DAYS, ETC.) DESCRIBED IN THE LIMITATION.

APPENDIX B. Table of the Generic Data Requirements and Studies Used to Make the Reregistration Decision

GUIDE TO APPENDIX B

Appendix B contains listings of data requirements which support the reregistration for active ingredients within the case mineral acids covered by this Reregistration Eligibility Decision Document. It contains generic data requirements that apply to mineral acids in all products, including data requirements for which a "typical formulation" is the test substance.

The data table is organized in the following format:

1. Data Requirement (Column 1). The data requirements are listed in the order in which they appear in 40 CFR Part 158. the reference numbers accompanying each test refer to the test protocols set in the Pesticide Assessment Guidelines, which are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (703) 487-4650.

2. Use Pattern (Column 2). This column indicates the use patterns for which the data requirements apply. The following letter designations are used for the given use patterns:

A	Terrestrial food
B	Terrestrial feed
C	Terrestrial non-food
D	Aquatic food
E	Aquatic non-food outdoor
F	Aquatic non-food industrial
G	Aquatic non-food residential
H	Greenhouse food
I	Greenhouse non-food
J	Forestry
K	Residential
L	Indoor food
M	Indoor non-food
N	Indoor medical
O	Indoor residential

3. Bibliographic citation (Column 3). If the Agency has acceptable data in its files, this column lists the identifying number of each study. This normally is the Master Record Identification (MRID) number, but may be a "GS" number if no MRID number has been assigned. Refer to the Bibliography appendix for a complete citation of the study.

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Hydrogen Chloride

REQUIREMENT		USE PATTERN	CITATION(S)
PRODUCT CHEMISTRY			
61-1	Chemical Identity	GLMNO	41628701
61-2A	Start. Mat. & Mnfg. Process	GLMNO	Waived
61-2B	Formation of Impurities	GLMNO	Waived
62-1	Preliminary Analysis	GLMNO	Waived
62-2	Certification of limits	GLMNO	Waived
62-3	Analytical Method	GLMNO	41628701
63-2	Color	GLMNO	41628701
63-3	Physical State	GLMNO	41628701
63-4	Odor	GLMNO	41628701
63-6	Boiling Point	GLMNO	41628701
63-7	Density	GLMNO	41628701
63-8	Solubility	GLMNO	41628701
63-9	Vapor Pressure	GLMNO	41628701
63-10	Dissociation Constant	GLMNO	41628701
63-11	Octanol/Water Partition	GLMNO	41628701
63-12	pH	GLMNO	41628701
63-13	Stability	GLMNO	41628701
TOXICOLOGY			

Data Supporting Guideline Requirements for the Reregistration of Hydrogen Chloride

REQUIREMENT		USE PATTERN	CITATION(S)
81-1	Acute Oral Toxicity - Rat	GLMNO	41628702
81-3	Acute Inhalation Toxicity - Rat	GLMNO	41628703
All ecological effects and environmental fate data for hydrogen chloride have been waived.			

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Phosphoric Acid

REQUIREMENT		USE PATTERN	CITATION(S)
PRODUCT CHEMISTRY			
61-1	Chemical Identity	FGHLMNO	41951201
61-2A	Start. Mat. & Mnfg. Process	FGHLMNO	41951201
61-2B	Formation of Impurities	FGHLMNO	41951201
62-1	Preliminary Analysis	FGHLMNO	Waived
62-2	Certification of limits	FGHLMNO	Waived
62-3	Analytical Method	FGHLMNO	Data gap
63-2	Color	FGHLMNO	41951201
63-3	Physical State	FGHLMNO	41951201
63-4	Odor	FGHLMNO	41951201
63-6	Boiling Point	FGHLMNO	41951201
63-7	Density	FGHLMNO	41951201
63-8	Solubility	FGHLMNO	41951201
63-9	Vapor Pressure	FGHLMNO	41951201
63-10	Dissociation Constant	FGHLMNO	41951201
63-11	Octanol/Water Partition	FGHLMNO	41951201
63-12	pH	FGHLMNO	41951201
63-13	Stability	FGHLMNO	41951201
TOXICOLOGY			
81-1	Acute Oral Toxicity - Rat	FGHLMNO	41628702

Data Supporting Guideline Requirements for the Reregistration of Phosphoric Acid

REQUIREMENT		USE PATTERN	CITATION(S)
81-3	Acute Inhalation Toxicity - Rat	FGHLMNO	41628703
ENVIRONMENTAL FATE			
160-5	Chemical Identity	FGHLMNO	41927402
162-2	Anaerobic Soil Metabolism	FGHLMNO	41951201

All ecological effects data for phosphoric acid have been waived.

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Bisulfide

REQUIREMENT		USE PATTERN	CITATION(S)
PRODUCT CHEMISTRY			
61-1	Chemical Identity	O	Waived
61-2A	Start. Mat. & Mnfg. Process	O	Waived
61-2B	Formation of Impurities	O	Waived
62-1	Preliminary Analysis	O	Waived
62-2	Certification of limits	O	Waived
62-3	Analytical Method	O	Waived
63-2	Color	O	Waived
63-3	Physical State	O	Waived
63-4	Odor	O	Waived
63-5	Melting Point	O	Waived
63-7	Density	O	Waived
63-8	Solubility	O	Waived
63-10	Dissociation Constant	O	Waived
63-12	pH	O	Waived
63-13	Stability	O	Waived
TOXICOLOGY			
81-1	Acute Oral Toxicity - Rat	O	41622302

All ecological effects and environmental fate data for sodium bisulfide have been waived.

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sulfuric Acid

REQUIREMENT		USE PATTERN	CITATION(S)
PRODUCT CHEMISTRY			
61-1	Chemical Identity	AB	41109801 41753901
61-2A	Start. Mat. & Mnfg. Process	AB	41109801 41753901
61-2B	Formation of Impurities	AB	41109801 41753901
62-1	Preliminary Analysis	AB	41109802 41753902
62-2	Certification of limits	AB	41109802 41753902
62-3	Analytical Method	AB	41109802 41753902
63-2	Color	AB	41109803
63-3	Physical state	AB	41109803
63-4	Odor	AB	Waived
63-6	Boiling Point	AB	Waived
63-7	Density	AB	Waived
63-8	Solubility	AB	Waived
63-9	Vapor Pressure	AB	Waived
63-10	Dissociation Constant	AB	Waived

Data Supporting Guideline Requirements for the Reregistration of Sulfuric Acid

REQUIREMENT		USE PATTERN	CITATION(S)
63-11	Octanol/Water Partition	AB	Waived
63-12	pH	AB	Waived
63-13	Stability	AB	Waived
RE-ENTRY NON-DIETARY EXPOSURE			
132-1A	Foliar Residue Dissipation	AB	Data gap
All ecological effects, environmental fate, and toxicology data for sulfuric acid have been waived.			

APPENDIX C. Citations Considered to be Part of the Data Base Supporting the Reregistration of Mineral Acids

GUIDE TO APPENDIX C

1. CONTENTS OF BIBLIOGRAPHY. This bibliography contains citations of all studies considered relevant by EPA in arriving at the positions and conclusions stated elsewhere in the Reregistration Eligibility Document. Primary sources for studies in this bibliography have been the body of data submitted to EPA and its predecessor agencies in support of past regulatory decisions. Selections from other sources including the published literature, in those instances where they have been considered, are included.

2. UNITS OF ENTRY. The unit of entry in this bibliography is called a "study". In the case of published materials, this corresponds closely to an article. In the case of unpublished materials submitted to the Agency, the Agency has sought to identify documents at a level parallel to the published article from within the typically larger volumes in which they were submitted. The resulting "studies" generally have a distinct title (or at least a single subject), can stand alone for purposes of review and can be described with a conventional bibliographic citation. The Agency has also attempted to unite basic documents and commentaries upon them, treating them as a single study.

3. IDENTIFICATION OF ENTRIES. The entries in this bibliography are sorted numerically by Master Record Identifier, or "MRID number". This number is unique to the citation, and should be used whenever a specific reference is required. It is not related to the six-digit "Accession Number" which has been used to identify volumes of submitted studies (see paragraph 4(d)(4) below for further explanation). In a few cases, entries added to the bibliography late in the review may be preceded by a nine character temporary identifier. These entries are listed after all MRID entries. This temporary identifying number is also to be used whenever specific reference is needed.

4. FORM OF ENTRY. In addition to the Master Record Identifier (MRID), each entry consists of a citation containing standard elements followed, in the case of material submitted to EPA, by a description of the earliest known submission. Bibliographic conventions used reflect the standard of the American National Standards Institute (ANSI), expanded to provide for certain special needs.

   a Author. Whenever the author could confidently be identified, the Agency has chosen to show a personal author. When no individual was identified, the Agency has shown an identifiable laboratory or testing facility as the author. When no author or laboratory could be identified, the Agency has shown the first submitter as the author.

   b. Document date. The date of the study is taken directly from the document. When the date is followed by a question mark, the bibliographer has deduced

the date from the evidence contained in the document. When the date appears as (19??), the Agency was unable to determine or estimate the date of the document.

c. Title. In some cases, it has been necessary for the Agency bibliographers to create or enhance a document title. Any such editorial insertions are contained between square brackets.

d. Trailing parentheses. For studies submitted to the Agency in the past, the trailing parentheses include (in addition to any self-explanatory text) the following elements describing the earliest known submission:

(1) Submission date. The date of the earliest known submission appears immediately following the word "received."

(2) Administrative number. The next element immediately following the word "under" is the registration number, experimental use permit number, petition number, or other administrative number associated with the earliest known submission.

(3) Submitter. The third element is the submitter. When authorship is defaulted to the submitter, this element is omitted.

(4) Volume Identification (Accession Numbers). The final element in the trailing parentheses identifies the EPA accession number of the volume in which the original submission of the study appears. The six-digit accession number follows the symbol "CDL," which stands for "Company Data Library." This accession number is in turn followed by an alphabetic suffix which shows the relative position of the study within the volume.

BIBLIOGRAPHY

MRID	CITATION
--------	Bogan, P. ES Research and Development Laboratory Static Acute Toxicity Fish Bioassay Complies with the State Water Resources Control Board, Department of Fish and Game [unpublished study], 1981.
--------	"Chemistry of N-Tack". Union Oil Co. of California [unpublished study], 1982.
--------	Quality Criteria for Water. United States Environmental Protection Agency, 1976.
--------	A Review of the Effects of pH on Freshwater Fish. European Inland Fisheries Advisory Commission, 1969.
--------	Robinson, S.; Sherman, H. Oral LD50 Test: G.B.S. Globular Sodium Bisulfate Technical, Haskell Laboratory Report [unpublished study], 1967 prepared by E.I. du Pont de Nemours and Co., submitted by Drackett Co., Cincinnati, OH; CDL:250945-A)
--------	SAX, N.I., and Lewis, R. J. SR, Dangerous Properties of Industrial Materials, 7th Ed. Van Nostrand Reinhold, New York, 1989.
--------	"Summary of Toxicity Data: Experimental Herbicide Formulation". ES Unilab Research, Inc. [unpublished study], 1981.
--------	Trent, L.; Hestand, R.; Carter, C. "Toxicity of Sulfuric Acid to Aquatic Plants and Organisms." Journal of Aquatic Plant Management, 1978.

APPENDIX D. List of Available Related Documents

The following is a list of available documents related to mineral acids. It's purpose is to provide a path to more detailed information if it is needed. These accompanying documents are part of the Administrative Record for mineral acids and are included in the EPA's Office of Pesticide Programs Public Docket.

1. Health and Environmental Effects Science Chapters

2. Detailed Label Usage Information System (LUIS) Report

3. Mineral Acids RED Fact Sheet

4. PR Notice 86-5 (included in this appendix)

5. PR Notice 91-2 (included in this appendix) pertains to the Label Ingredient Statement

APPENDIX E. PR Notices 86-5 and 91-2

PR Notice 86-5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

July 29, 1986

PR NOTICE 86-5

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

NOTICE TO PRODUCERS, FORMULATORS, DISTRIBUTORS AND REGISTRANTS

Attention: Persons responsible for Federal registration of pesticides.

Subject: Standard format for data submitted under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and certain provisions of the Federal Food, Drug, and Cosmetic Act (FFDCA).

I. Purpose

To require data to be submitted to the Environmental Protection Agency (EPA) in a standard format. This Notice also provides additional guidance about, and illustrations of, the required formats.

II. Applicability

This PR Notice applies to all data that are submitted to EPA to satisfy data requirements for granting or maintaining pesticide registrations, experimental use permits, tolerances, and related approvals under certain provisions of FIFRA and FFDCA. These data are defined in FIFRA §10(d)(1). This Notice does not apply to commercial, financial, or production information, which are, and must continue to be, submitted differently under separate cover.

III. Effective Date

This notice is effective on November 1, 1986. Data formatted according to this notice may be submitted prior to the effective date. As of the effective date, submitted data packages that do not conform to these requirements may be returned to the submitter for necessary revision.

IV. Background

On September 26, 1984, EPA published proposed regulations in the Federal Register (49 FR 37956) which include Requirements for Data Submission (40 CFR §158.32), and Procedures for Claims of Confidentiality of Data (40 CFR §158.33). These regulations

specify the format for data submitted to EPA under Section 3 of FIFRA and Sections 408 and 409 of FFDCA, and procedures which must be followed to make and substantiate claims of confidentiality. No entitlements to data confidentiality are changed, either by the proposed regulation or by this notice.

OPP is making these requirements mandatory through this Notice to gain resource-saving benefits from their use before the entire proposed regulation becomes final. Adequate lead time is being provided for submitters to comply with the new requirements.

V. Relationship of this Notice to Other OPP Policy and Guidance

While this Notice contains requirements for organizing and formatting submittals of supporting data, it does not address the substance of test reports themselves. "Data reporting" guidance is now under development in OPP, and will specify how the study objectives, protocol, observations, findings, and conclusions are organized and presented within the study report. The data reporting guidance will be compatible with submittal format requirements described in this Notice.

OPP has also promulgated a policy (PR Notice 86-4 dated April 15, 1986) that provides for early screening of certain applications for registration under FIFRA §3. The objective of the screen is to avoid the additional costs and prolonged delays associated with handling significantly incomplete application packages. As of the effective date of this Notice, the screen will include in its criteria for acceptance of application packages the data formatting requirements described herein.

OPP has also established a public docket which imposes deadlines for inserting into the docket documents submitted in connection with Special Reviews and Registration Standards (see 40 CFR §154.15 and §155.32). To meet these deadlines, OPP is requiring an additional copy of any data submitted to the docket. Please refer to Page 10 for more information about this requirement.

For several years, OPP has required that each application for registration or other action include a list of all applicable data requirements and an indication of how each is satisfied--the statement of the method of support for the application. Typically, many requirements are satisfied by reference to data previously submitted--either by the applicant or by another party. That requirement is not altered by this notice, which applies only to data submitted with an application.

VI. Format Requirements

A more detailed discussion of these format requirements follows the index on the next page, and samples of some of the requirements are attached. Except for the language of the two alternative forms of the Statement of Data Confidentiality Claims (shown in Attachment 3) which cannot be altered, these samples are illustrative. As long as the required information is included and clearly identifiable, the form of the samples may be altered to reflect the submitter's preference.

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****

A. Organization of Submittal Package

A "submittal package" consists of all studies submitted at the same time for review in support of a single regulatory action, along with a transmittal document and other related administrative material (e.g. the method of support statement, EPA Forms 8570-1, 8570-4, 8570-20, etc.) as appropriate.

Data submitters must organize each submittal package as described in this Notice. The transmittal and any other administrative material must be grouped together in the first physical volume. Each study included in the submittal package must then be bound separately.

Submitters sometimes provide additional materials that are intended to clarify, emphasize, or otherwise comment to help Product Managers and reviewers better understand the submittal.

- If such materials relate to one study, they should be included as an appendix to that study.

- If such materials relate to more than one study (as for example a summary of all studies in a discipline) or to the submittal in general, they must be included in the submittal package as a separate study (with title page and statement of confidentiality claims).

B. Transmittal Document

The first item in each submittal package must be a transmittal document. This document identifies the submitter or all joint submitters; the regulatory action in support of which the package is being submitted--i.e., a registration application, petition, experimental use permit (EUP), §3(c)(2)(B) data call-in, §6(a)(2) submittal, or a special review; the transmittal date; and a list of all individual studies included in the package in the order of their appearance, showing (usually by Guideline reference number) the data requirement(s) addressed by each one. The EPA-assigned number for the regulatory action (e.g. the registration, EUP, or tolerance petition number) should be included in the transmittal document as well, if it is known to the submitter. See Attachment 1 for an example of an acceptable transmittal document.

The list of included studies in the transmittal of a data submittal package supporting a registration application should be subdivided by discipline, reflecting the order in which data requirements appear in 40 CFR 158.

The list of included studies in the transmittal of a data submittal package supporting a petition for tolerance or an application for an EUP should be subdivided into sections A, B, C,.... of the petition or application, as defined in 40 CFR 180.7 and 158.125, (petitions) or Pesticide Assessment Guidelines, Subdivision I (EUPs) as appropriate.

When a submittal package supports a tolerance petition and an application for a registration or an EUP, list the petition studies first, then the balance of the studies. Within these two groups of studies follow the instructions above.

C. Individual Studies

A study is the report of a single scientific investigation, including all supporting analyses required for logical completeness. A study should be identifiable and distinguishable by a conventional bibliographic citation including author, date, and title. Studies generally correspond in scope to a single Guideline requirement for supporting data, with some exceptions discussed in section C.1. Each study included in a submittal package must be bound as a separate entity. (See comments on binding studies on page 9.)

Each study must be consecutively paginated, beginning from the title page as page 1. The total number of pages in the complete study must be shown on the study title page. In addition (to ensure that inadvertently separated pages can be reassociated with the proper study during handling or review) use either of the following:

- Include the total number of pages in the complete study on each page (i.e., 1 of 250, 2 of 250, ...250 of 250).

- Include a company name or mark and study number on each page of the study, e g , Company Name-1986-23. Never reuse a study number for marking the pages of subsequent studies.

When a single study is extremely long, binding it in multiple volumes is permissible so long as the entire study is paginated in a single series, and each volume is plainly identified by the study title and its position in the multi-volume sequence.

C.1 Special Considerations for Identifying Studies

Some studies raise special problems in study identification, because they address Guidelines of broader than normal scope or for other reasons.

a. Safety Studies. Several Guidelines require testing for safety in more than one species. In these cases each species tested should be reported as a separate study, and bound separately.

Extensive supplemental reports of pathology reviews, feed analyses, historical control data, and the like are often associated with safety studies. Whenever possible these should be submitted with primary reports of the study, and bound with the primary study as appendices. When such supplemental reports are submitted independently of the primary report, take care to fully identify the primary report to which they pertain.

Batteries of acute toxicity tests, performed on the same end use product and covered by a single title page, may be bound together and reported as a single study.

b. Product Chemistry Studies. All product chemistry data within a submittal package submitted in support of an end-use product produced from registered manufacturing-use products should be bound as a single study under a single title page.

Product chemistry data submitted in support of a technical product, other manufacturing-use product, an experimental use permit, an import tolerance petition, or an end-use product produced from unregistered source ingredients, should be bound as a single study for each Guideline series (61, 62, and 63) for conventional pesticides, or for the equivalent subject range for biorational pesticides. The first of the three studies in a complete product chemistry submittal for a biochemical pesticide would cover Guidelines 151-10, 151-11, and 151-12; the second would cover Guidelines 151-13, 151-15, and 151-16; the third would cover Guideline 151-17. The first study for a microbial pesticide would cover Guidelines 151-20, 151-21, and 151-22; the second would cover Guidelines 151-23 and 151-25; the third would cover Guideline 151-26.

Note particularly that product chemistry studies are likely to contain Confidential Business Information as defined in FIFRA §10(d)(1)(A), (B), or (C), and if so must be handled as described in section D.3. of this notice.

c. Residue Chemistry Studies. Guidelines 171-4, 153-3, and 153-4 are extremely broad in scope; studies addressing residue chemistry requirements must thus be defined at a level below that of the Guideline code. The general principle, however, of limiting a study to the report of a single investigation still applies fully. Data should be treated as a single study and bound separately for each analytical method, each report of the nature of the residue in a single crop or animal species, and for each report of the magnitude of residues resulting from treatment of a single crop or from processing a single crop. When more than one commodity is derived from a single crop (such as beet tops and beet roots) residue data on all such commodities should be reported as a single study. When multiple field trials are associated with a single crop, all such trials should be reported as a single study.

D. Organization of Each Study Volume

Each complete study must include all applicable elements in the list below, in the order indicated. (Also see Page 17.) Several of these elements are further explained in the following paragraphs. Entries in the column headed "example" cite the page number of this notice where the element is illustrated.

Element	When Required	Example
Study Title Page	Always	Page 12
Statement of Data Confidentiality Claims	One of the two alternative forms of this statement is always required	Page 13
Certification of Good Laboratory Practice	If study reports laboratory work subject to GLP requirements	Page 16
Flagging statements	For certain toxicology studies (When flagging requirements are finalized.)	
Body of Study	Always - with an English language translation if required.	
Study Appendices	At submitter's option	
Cover Sheet to Confidential Attachment	If CBI is claimed under FIFRA §10(d)(1)(A), (B), or (C)	
CBI Attachment	If CBI is claimed under FIFRA §10(d)(1)(A), (B), or (C)	Page 15
Supplemental Statement of Data Confidentiality Claims	Only if confidentiality is claimed on a basis other than FIFRA §10(d)(1)(A), (B), or (C)	Page 14

D.1. Title Page

A title page is always required for each submitted study, published or unpublished. The title page must always be freely releasable to requestors; **DO NOT INCLUDE CBI ON THE TITLE PAGE.** An example of an acceptable title page is on page 12 of this notice. The following information must appear on the title page:

a. Study title. The study title should be as descriptive as possible It must clearly identify the substance(s) tested and correspond to the name of the data requirement as it appears in the Guidelines.

b. Data requirement addressed. Include on the title page the Guideline number(s) of the specific requirement(s) addressed by the study.

c. Author(s). Cite only individuals with primary intellectual responsibility for the content of the study. Identify them plainly as authors, to distinguish them from the performing laboratory, study sponsor, or other names that may also appear on the title page.

d. Study Date. The title page must include a single date for the study. If parts of the study were performed at different times, use only the date of the latest element in the study.

e. Performing Laboratory Identification. If the study reports work done by one or more laboratories, include on the title page the name and address of the performing laboratory or laboratories, and the laboratory's internal project number(s) for the work. Clearly distinguish the laboratory's project identifier from any other reference numbers provided by the study sponsor or submitter.

f. Supplemental Submissions. If the study is a commentary on or supplement to another previously submitted study, or if it responds to EPA questions raised with respect to an earlier study, include on the title page elements a. through d. for the previously submitted study, along with the EPA Master Record Identifier (MRID) or Accession number of the earlier study if you know these numbers. (Supplements submitted in the same submittal package as the primary study should be appended to and bound with the primary study. Do not include supplements to more than one study under a single title page).

g. Facts of Publication. If the study is a reprint of a published document, identity on the title page all relevant facts of publication, such as the journal title, volume, issue, inclusive page numbers, and publication date.

D.2. Statements of Data Confidentiality Claims Under FIFRA §10(d)(1).

Each submitted study must be accompanied by one of the two alternative forms of the statement of Data Confidentiality Claims specified in the proposed regulation in §158.33 (b) and (c) (See Attachment 3). These statements apply only to claims of data confidentiality based on FIFRA §10(d)(1)(A), (B), or (C). Use the appropriate alternative form of the statement either to assert a claim of §10(d)(1) data confidentiality (§158.33(b)) or to waive such a claim (§158.33(c)). In either case, the statement must be signed and dated, and must include the typed name and title of the official who signs it. Do not make CBI claims with respect to analytical methods associated with petitions for tolerances or emergency exemptions (see NOTE Pg 13).

D.3. Confidential Attachment

If the claim is made that a study includes confidential business information as defined by the criteria of FIFRA §10(D)(1)(A), (B), or (C) (as described in D.2. above) all such information must be excised from the body of the study and confined to a separate study-specific Confidential Attachment. Each passage of CBI so isolated must be identified by a reference number cited within the body of the study at the point from which the passage was excised (See Attachment 5).

The Confidential Attachment to a study must be identified by a cover sheet fully identifying the parent study, and must be clearly marked "Confidential Attachment." An appropriately annotated photocopy of the parent study title page may be used as this cover sheet. Paginate the Confidential Attachment separately from the body of the study, beginning with page 1 of X on the title page. Each passage confined to the Confidential Attachment must be associated with a specific cross reference to the page(s) in the main body of the study on which it is cited, and with a reference to the applicable passage(s) of FIFRA §10(d)(1) on which the confidentiality claim is based.

D.4. Supplemental Statement of Data Confidentiality Claims (See Attachment 4)

If you wish to make a claim of confidentiality for any portion of a submitted study other than described by FIFRA §10(d)(1)(A), (B), or (C), the following provisions apply:

- The specific information to which the claim applies must be clearly marked in the body of the study as subject to a claim of confidentiality.

- A Supplemental Statement of Data Confidentiality Claims must be submitted, identifying each passage claimed confidential and describing in detail the basis for the claim. A list of the points to address in such a statement is included in Attachment 4 on Pg 14.

- The Supplemental Statement of Data Confidentiality Claims must be signed and dated and must include the typed name and title of the official who signed it.

D.5. Good Laboratory Practice Compliance Statement

This statement is required if the study contains laboratory work subject to GLP requirements specified in 40 CFR 160. Samples of these statements are shown in Attachment 6.

E. Reference to Previously Submitted Data

DO NOT RESUBMIT A STUDY THAT HAS PREVIOUSLY BEEN SUBMITTED FOR ANOTHER PURPOSE unless EPA specifically requests it. A copy of the title page plus the MRID number (if known) is sufficient to allow us to retrieve the study immediately for review. This prevents duplicate entries in the Agency files, and saves you the cost of sending more copies of the study. References to previously submitted studies should not be included in the transmittal document, but should be incorporated into the statement of the method of support for the application.

F. Physical Format Requirements

All elements in the data submittal package must be on uniform 8 1/2 by 11 inch white paper, printed on one side only in black ink, with high contrast and good resolution. Bindings for individual studies must be secure, but easily removable to permit disassembly for microfilming. Check with EPA for special instructions before submitting data in any medium other than paper, such as film or magnetic media.

Please be particularly attentive to the following points:

- Do not include frayed or torn pages.
- Do not include carbon copies, or copies in other than black ink.
- Make sure that photocopies are clear, complete, and fully readable.
- Do not include oversize computer printouts or fold-out pages.
- Do not bind any documents with glue or binding tapes.
- Make sure that all pages of each study, including any attachments or appendices, are present and in correct sequence.

Number of Copies Required - All submittal packages except those associated with a Registration Standard or Special Review (See Part G below) must be provided in three complete, identical copies. (The proposed regulations specified two copies; three are now being required to expedite and reduce the cost of processing data into the OPP Pesticide Document Management System and getting it into review.)

G. Special Requirements for Submitting Data to the Docket

Data submittal packages associated with a Registration Standard or Special Review must be provided in four copies, from one of which all material claimed as CBI has been excised. This fourth copy will become part of the public docket for the RS or SR case. If no claims of confidentiality are made for the study, the fourth copy should be identical to the other three. When portions of a study submitted in support of an RS or SR are claimed as CBI, the first three copies will include the CBI material as provided in section D of this notice. The following special preparation is required for the fourth copy.

- Remove the "Supplemental Statement of Data Confidentiality Claims".
- Remove the "Confidential Attachment".
- Excise from the body of the study any information you claim as confidential, even if it does not fall within the scope of FIFRA §10(d)(1)(A), (B), or (C). Do not close up or paraphrase text remaining after this excision.
- Mark the fourth copy plainly on both its cover and its title page with the phrase "Public Docket Material - contains no information claimed as confidential".

V. For Further Information

For further information contact John Carley, Chief, Information Services Branch, Program Management and Support Division, (703) 305-5240.

James W. Akerman
Acting Director,
Registration Division

Attachment 1. Sample Transmittal Document
Attachment 2. Sample Title Page for a Newly Submitted Study
Attachment 3. Statements of Data Confidentiality Claims
Attachment 4. Supplemental Statement of Data Confidentiality Claims
Attachment 5. Samples of Confidential Attachments
Attachment 6. Sample Good Laboratory Practice Statements
Attachment 7. Format Diagrams for Submittal Packages and Studies

ATTACHMENT 1

ELEMENTS TO BE INCLUDED IN THE TRANSMITTAL DOCUMENT*

1. Name and address of submitter (or all joint submitters**)

+Smith Chemical Corporation 1234 West Smith Street Cincinnati, OH 98765	-and-	Jones Chemical Company 5678 Wilson Blvd Covington, KY 56789

+Smith Chemical Corp will act as sole agent for all submitters.

2. Regulatory action in support of which this package is submitted

Use the EPA identification number (e.g. 359-EUP-67) if you know it. Otherwise describe the type of request (e.g. experimental use permit, data call-in - of xx-xx-xx date).

3. Transmittal date

4. List of submitted studies

Vol 1. Administrative materials - forms, previous correspondence with Project Managers, and so forth.

Vol 2. Title of first study in the submittal (Guideline No.)

Vol n Title of nth study in the submittal (Guideline No.)

* Applicants commonly provide this information in a transmittal letter. This remains an acceptable practice so long as all four elements are included.

* Indicate which of the joint submitters is empowered to act on behalf of all joint submitters in any matter concerning data compensation or subsequent use or release of the data.

Company Official: _____
Name Signature

Company Name: _____

Company Contact: _____ _____
Name Phone

ATTACHMENT 2

SAMPLE STUDY TITLE PAGE FOR A NEWLY SUBMITTED STUDY

Study Title

(Chemical name) - Magnitude of Residue on Corn

Data Requirement

Guideline 171-4

Author

John C. Davis

Study Completed On

January 5, 1979

Performing Laboratory

ABC Agricultural Laboratories
940 West Bay Drive
Wilmington, CA 39897

Laboratory Project ID

ABC 47-79

Page 1 of X
(X is the total number of pages in the study)

ATTACHMENT 3

STATEMENTS OF DATA CONFIDENTIALITY CLAIMS

1. No claim of confidentiality under FIFRA §10(d)(1)(A),(B), or (C).

STATEMENT OF NO DATA CONFIDENTIALITY CLAIMS

No claim of confidentiality is made for any information contained in this study on the basis of its falling within the scope of FIFRA 6§10(d)(1)(A), (B), or (C).

Company _____

Company Agent: _____ Typed Name _____ Date: _____

_____ Title _____ _____ Signature _____

2. Claim of confidentiality under FIFRA §10(d)(1)(A), (B), or (C).

STATEMENT OF DATA CONFIDENTIALITY CLAIMS

Information claimed confidential on the basis of its falling within the scope of FIFRA §10(d)(1)(A), (B), or (C) has been removed to a confidential appendix, and is cited by cross-reference number in the body of the study.

Company: _____

Company Agent: _____ Typed Name _____ Date: _____

_____ Title _____ _____ Signature _____

NOTE: Applicants for permanent or temporary tolerances should note that it is OPP policy that no permanent tolerance, temporary tolerance, or request for an emergency exemption incorporating an analytical method, can be approved unless the applicant waives all claims of confidentiality for the analytical method. These analytical methods are published in the FDA Pesticide Analytical Methods Manual, and therefore cannot be claimed as confidential. OPP implements this policy by returning submitted analytical methods, for which confidentiality claims have been made, to the submitter, to obtain the confidentiality waiver before they can be processed.

ATTACHMENT 4

SUPPLEMENTAL STATEMENT OF DATA CONFIDENTIALITY CLAIMS

For any portion of a submitted study that is not described by FIFRA §10(d)(1)(A), (B), or (C), but for which you claim confidential treatment on another basis, the following information must be included within a Supplemental Statement of Data Confidentiality Claims:

- Identify specifically by page and line number(s) each portion of the study for which you claim confidentiality.
- Cite the reasons why the cited passage qualifies for confidential treatment.
- Indicate the length of time--until a specific date or event, or permanently--for which the information should be treated as confidential.
- Identify the measures taken to guard against undesired disclosure of this information.
- Describe the extent to which the information has been disclosed, and what precautions have been taken in connection with those disclosures.
- Enclose copies of any pertinent determinations of confidentiality made by EPA, other Federal agencies, of courts concerning this information.
- If you assert that disclosure of this information would be likely to result in substantial harmful effects to you, describe those harmful effects and explain why they should be viewed as substantial.
- If you assert that the information in voluntarily submitted, indicate whether you believe disclosure of this information might tend to lessen the availability to EPA of similar information in the future, and if so, how.

ATTACHMENT 5

EXAMPLES OF SEVERAL CONFIDENTIAL ATTACHMENTS

Example 1. (Confidential word or phrase that has been deleted from the study)

CROSS REFERENCE NUMBER 1 This cross reference number is used in the study in place of the following words or phrase at the indicated volume and page references.

DELETED WORDS OR PHRASE: Ethylene Glycol

PAGE	LINE	REASON FOR THE DELETION	FIFRA REFERENCE
6	14	Identity of Inert Ingredient	§10(d)(1)(C)
12	25	"	"
100	19	"	"

Example 2. (Confidential paragraph(s) that have been deleted from the study)

CROSS REFERENCE NUMBER 5 This cross reference number is used in the study in place of the following paragraph(s) at the indicated volume and page references.

DELETED PARAGRAPH(S):

( )
(Reproduce the deleted paragraph(s) here)
( )

PAGE	LINES	REASON FOR THE DELETION	FIFRA REFERENCE
20.	2-17	Description of the quality control process	§10(d)(1)(C)

Example 3. (Confidential pages that have been deleted from the study)

CROSS REFERENCE NUMBER 7 This cross reference number noted on a place-holder page is used in place of the following whole pages at the indicated volume and page references.

DELETED PAGE(S): are attached immediately behind this page.

PAGE	LINES	REASON FOR THE DELETION	FIFRA REFERENCE
20.	2-17	Description of the product manufacturing process	§10(d)(1)(A)

ATTACHMENT 6.

SAMPLE GOOD LABORATORY PRACTICE STATEMENTS

Example 1.

This study meets the requirements for 40 CFR Part 160

Submitter _____

Sponsor _____

Study Director _____

Example 2.

This study does not meet the requirements of 40 CFR Part 160, and differs in the following ways:

1. _____

2. _____

3. _____

Submitter _____

Sponsor _____

Study Director _____

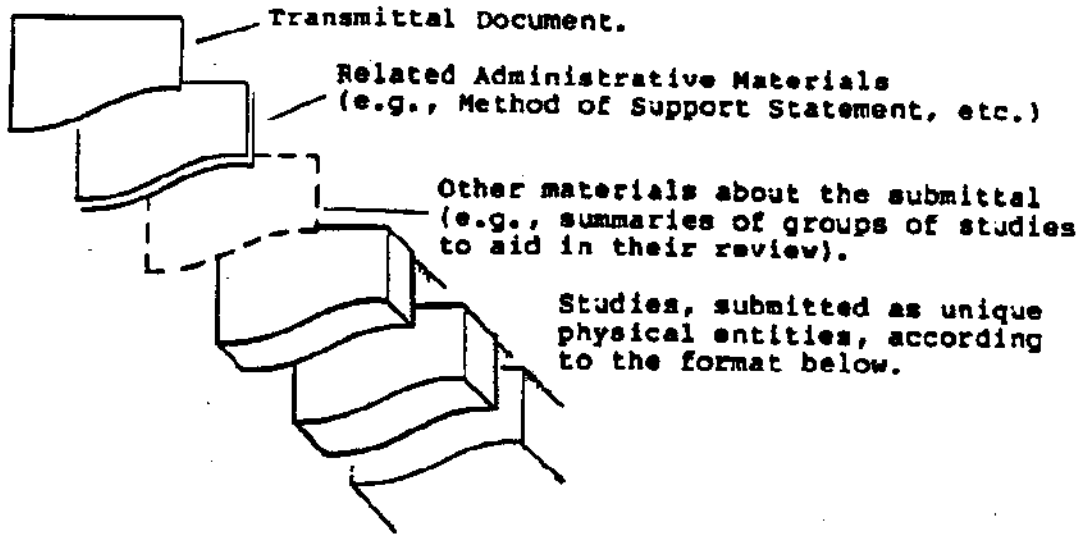
Example 3.

The submitter of this study was neither the sponsor of this study nor conducted it, and does not know whether it has been conducted in accordance with 40 CFR Part 160.

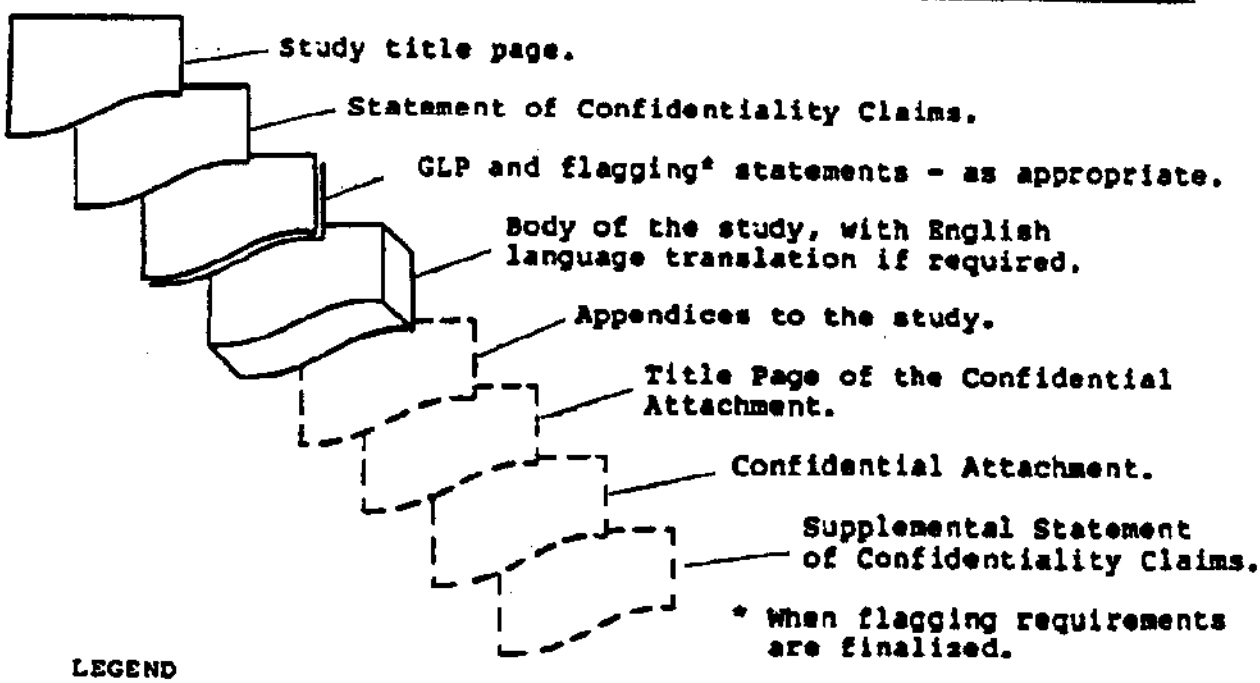
Submitter _____

ATTACHMENT 7.

FORMAT OF THE SUBMITTAL PACKAGE



FORMAT OF SUBMITTED STUDIES



LEGEND

Documents which must be submitted as appropriate to meet established requirements.

Documents submitted at submitter's option.

PR Notice 91-2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

PR NOTICE 91-2

NOTICE TO MANUFACTURERS, PRODUCERS, FORMULATORS, AND REGISTRANTS OF PESTICIDES

ATTENTION: Persons Responsible for Federal Registration of Pesticide Products.

SUBJECT: Accuracy of Stated Percentages for Ingredients Statement

I. PURPOSE:

The purpose of this notice is to clarify the Office of Pesticide Program's policy with respect to the statement of percentages in a pesticide's label's ingredient statement. Specifically, the amount (percent by weight) of ingredient(s) specified in the ingredient statement on the label must be stated as the nominal concentration of such ingredient(s), as that term is defined in 40 CFR 158.153(i). Accordingly, the Agency has established the nominal concentration as the only acceptable label claim for the amount of active ingredient in the product.

II. BACKGROUND

For some time the Agency has accepted two different methods of identifying on the label what percentage is claimed for the ingredient(s) contained in a pesticide. Some applicants claimed a percentage which represented a level between the upper and the lower certified limits. This was referred to as the nominal concentration. Other applicants claimed the lower limit as the percentage of the ingredient(s) that would be expected to be present in their product at the end of the product's shelf-life. Unfortunately, this led to a great deal of confusion among the regulated industry, the regulators, and the consumers as to exactly how much of a given ingredient was in a given product. The Agency has established the nominal concentration as the only acceptable label claim for the amount of active ingredient in the product.

Current regulations require that the percentage listed in the active ingredient statement be as precise as possible reflecting good manufacturing practices 40 CFR 156.10(g)(5). The certified limits required for each active ingredient are intended to encompass any such "good manufacturing practice" variations 40

CFR 158.175(c)(3).

The upper and lower certified limits, which must be proposed in connection with a product's registration, represent the amounts of an ingredient that may legally be present 40 CFR 158.175. The lower certified limit is used as the enforceable lower limit for the product composition according to FIFRA section 12(a)(1)(C), while the nominal concentration appearing on the label would be the routinely achieved concentration used for calculation of dosages and dilutions.

The nominal concentration would in fact state the greatest degree of accuracy that is warranted with respect to actual product composition because the nominal concentration would be the amount of active ingredient typically found in the product.

It is important for registrants to note that certified limits for active ingredients are not considered to be trade secret information under FIFRA section 10(b). In this respect the certified limits will be routinely provided by EPA to States for enforcement purposes, since the nominal concentration appearing on the label may not represent the enforceable composition for purposes of section 12(a)(1)(C).

III. REQUIREMENTS

As described below under Unit V. " **COMPLIANCE SCHEDULE,"** all currently registered products as well as all applications for new registration must comply with this Notice by specifying the nominal concentration expressed as a percentage by weight as the label claim in the ingredient(s) statement and equivalence statements if applicable (e.g., elemental arsenic, metallic zinc, salt of an acid). In addition, the requirement for performing sample analyses of five or more representative samples must be fulfilled. Copies of the raw analytical data must be submitted with the nominal ingredient label claim. Further information about the analysis requirement may be found in the 40 CFR 158.170. All products are required to provide certified limits for each active, inert ingredient, impurities of toxicological significance(i.e., upper limit(s) only) and on a case by case basis as specified by EPA. These limits are to be **set based on representative sampling** and chemical analysis(i.e., quality control) of the product.

The format of the ingredient statement must conform to 40 CFR 156-Labeling Requirements For Pesticides and Devices.

After July 1, 1997, all pesticide ingredient StatementS must be changed to nominal concentration.

IV. PRODUCTS THAT REQUIRE EFFICACY DATA

All pesticides are required to be efficacious. Therefore, the certified lower limits may not be lower then the minimum level to achieve efficacy. This is extremely important for products which are intended to control pests which threaten the public health, e.g., certain antimicrobial and rodenticide products. Refer to 40 CFR 153.640.

In those cases where efficacy limits have been established, the Agency will not accept certified lower limits which are below that level for the shelf life of the product.

V. COMPLIANCE SCHEDULE

As described earlier, the purpose of this Notice is to make the registration process more uniform and more manageable for both the agency and the regulated community. It is the Agency's intention to implement the requirements of this notice as smoothly as possible so as not to disrupt or delay the Agency's high priority programs, i.e., reregistration, new chemical, or fast track (FIFRA section 3(c)(3)(B). Therefore, applicants/registrants are expected to comply with the requirements of this Notice as follows:

(1) Beginning July 1, 1991, all new product registrations submitted to the Agency are to comply with the requirements of this Notice.

(2) Registrants having products subject to reregistration under FIFRA section 4(a) are to comply with the requirements of this Notice when specific products are called in by the Agency under Phase V of the Reregistration Program.

(3) All other products/applications that are not subject to (1) and (2) above will have until July 1, 1997, to comply with this Notice. Such applications should note "Conversion to Nominal Concentrations on the application form. These types Or amendments will not be handled as "Fast Track" applications but will be handled as routine requests.

VI. FOR FURTHER INFORMATION

Contact Tyrone Aiken for information or questions concerning this notice on (703) 308-7031.

Anne E. Lindsay

Anne E. Lindsay, Director
Registration Division (H-7505

APPENDIX F. Generic Data Call-In

GENERIC DATA CALL-IN NOTICE

CERTIFIED MAIL

Dear Sir or Madam:

This Notice requires you and other registrants of pesticide products containing the active ingredient(s) identified in Attachment 1 of this Notice, the Data Call-In Chemical Status Sheet, to submit certain data as noted herein to the U.S. Environmental Protection Agency (EPA, the Agency). These data are necessary to maintain the continued registration of your product(s) containing this active ingredient(s). Within 90 days after you receive this Notice you must respond as set forth in Section III below. Your response must state:

1. how you will comply with the requirements set forth in this Notice and its Attachments 1 through 4; or,

2. why you believe you are exempt from the requirements listed in this Notice and in Attachment 3, Requirements Status and Registrant's Response Form, (see section III-B); or,

3. why you believe EPA should not require your submission of data in the manner specified by this Notice (see section III-D).

If you do not respond to this Notice, or if you do not satisfy EPA that you will comply with its requirements or should be exempt or excused from doing so, then the registration of your product(s) subject to this Notice will be subject to suspension. We have provided a list of all of your products subject to this Notice in Attachment 2, Data Call-In Response Form, as well as a list of all registrants who were sent this Notice (Attachment 4).

The authority for this Notice is section 3(c)(2)(B) of the Federal Insecticide, Fungicide and Rodenticide Act as amended (FIFRA), 7 U.S.C. section 136a(c)(2)(B). Collection of this information is authorized under the Paperwork Reduction Act by OMB Approval No. 2070-0107

(expiration date 12-31-92).

This Notice is divided into six sections and five Attachments. The Notice itself contains information and instructions applicable to all Data Call-In Notices. The Attachments contain specific chemical information and instructions. The six sections of the Notice are:

Section I	-	Why You Are Receiving This Notice
Section II	-	Data Required By This Notice
Section III	-	Compliance With Requirements Of This Notice
Section IV	-	Consequences Of Failure To Comply With This Notice
Section V	-	Registrants' Obligation To Report Possible Unreasonable Adverse Effects
Section VI	-	Inquiries And Responses To This Notice

The Attachments to this Notice are:

Attachment 1	-	Data Call-In Chemical Status Sheet
Attachment 2	-	Data Call-In Response Form
Attachment 3	-	Requirements Status And Registrant's Response Form
Attachment 4	-	List Of All Registrants Sent This Data Call-In Notice

SECTION I. WHY YOU ARE RECEIVING THIS NOTICE

The Agency has reviewed existing data for this active ingredient(s) and reevaluated the data needed to support continued registration of the subject active ingredient(s). This reevaluation identified additional data necessary to assess the health and safety of the continued use of products containing this active ingredient(s). You have been sent this Notice because you have product(s) containing the subject active ingredient(s).

SECTION II. DATA REQUIRED BY THIS NOTICE

A. DATA REQUIRED

The data required by this Notice are specified in Attachment 3, Requirements Status and Registrant's Response Form. Depending on the results of the studies required in this Notice, additional testing may be required.

B. SCHEDULE FOR SUBMISSION OF DATA

You are required to submit the data or otherwise satisfy the data requirements specified in Attachment 3, Requirements Status and Registrant's Response Form, within the time frames provided.

C. TESTING PROTOCOL

All studies required under this Notice must be conducted in accordance with test standards outlined in the Pesticide Assessment Guidelines for those studies for which guidelines have been established.

These EPA Guidelines are available from the National Technical Information Service (NTIS), Attn: Order Desk, 5285 Port Royal Road, Springfield, Va 22161 (tel: 703-487-4650).

Protocols approved by the Organization for Economic Cooperation and Development (OECD) are also acceptable if the OECD-recommended test standards conform to those specified in the Pesticide Data Requirements regulation (40 CFR § 158.70). When using the OECD protocols, they should be modified as appropriate so that the data generated by the study will satisfy the requirements of 40 CFR § 158. Normally, the Agency will not extend deadlines for complying with data requirements when the studies were not conducted in accordance with acceptable standards. The OECD protocols are available from OECD, 1750 Pennsylvania Avenue N.W., Washington, D.C. 20006.

All new studies and proposed protocols submitted in response to this Data Call-In Notice must be in accordance with Good Laboratory Practices [40 CFR Part 160.3(a)(6)].

D. REGISTRANTS RECEIVING PREVIOUS SECTION 3(c)(2)(B) NOTICES ISSUED BY THE AGENCY

Unless otherwise noted herein, this Data Call-In does not in any way supersede or change the requirements of any previous Data Call-In(s), or any other agreements entered into with the Agency pertaining to such prior Notice. Registrants must comply with the requirements of all Notices to avoid issuance of a Notice of Intent to Suspend their affected products.

SECTION III. COMPLIANCE WITH REQUIREMENTS OF THIS NOTICE

A. SCHEDULE FOR RESPONDING TO THE AGENCY

The appropriate responses initially required by this Notice must be submitted to the Agency within 90 days after your receipt of this Notice. Failure to adequately respond to this Notice within 90 days of your receipt will be a basis for issuing a Notice of Intent to Suspend (NOIS) affecting your products. This and other bases for issuance

of NOIS due to failure to comply with this Notice are presented in Section IV-A and IV-B.

B. OPTIONS FOR RESPONDING TO THE AGENCY

The options for responding to this Notice are: 1) voluntary cancellation, 2) delete use(s), (3) claim generic data exemption, (4) agree to satisfy the data requirements imposed by this Notice or (5) request a data waiver(s).

A discussion of how to respond if you chose the Voluntary Cancellation option, the Delete Use(s) option or the Generic Data Exemption option is presented below. A discussion of the various options available for satisfying the data requirements of this Notice is contained in Section III-C. A discussion of options relating to requests for data waivers is contained in Section III-D.

There are two forms that accompany this Notice of which, depending upon your response, one or both must be used in your response to the Agency. These forms are the Data-Call-In Response Form (Attachment 2) and the Requirements Status and Registrant's Response Form (Attachment 3). The Data Call-In Response Form must be submitted as part of every response to this Notice. Please note that the company's authorized representative is required to sign the first page of the Data Call-In Response Form and Requirements Status and Registrant's Response Form (if this form is required) and initial any subsequent pages. The forms contain separate detailed instructions on the response options. Do not alter the printed material. If you have questions or need assistance in preparing your response, call or write the contact person identified in Attachment 1.

1. Voluntary Cancellation - You may avoid the requirements of this Notice by requesting voluntary cancellation of your product(s) containing the active ingredient(s) that is the subject of this Notice. If you wish to voluntarily cancel your product, you must submit a completed Data Call-In Response Form, indicating your election of this option. Voluntary cancellation is item number 5 on the Data Call-In Response Form. If you choose this option, this is the only form that you are required to complete.

If you choose to voluntarily cancel your product, further sale and distribution of your product after the effective date of cancellation must be in accordance with the Existing Stocks provisions of this Notice which are contained in Section IV-C.

2. Use Deletion - You may avoid the requirements of this Notice by eliminating the uses of your product to which the requirements apply. If you wish to amend your registration to delete uses, you must submit the Requirements Status and Registrant's Response Form, a completed application for amendment,

a copy of your proposed amended labeling, and all other information required for processing the application. Use deletion is option number 7 on the Requirements Status and Registrant's Response Form. You must also complete a Data Call-In Response Form by signing the certification, item number 8. Application forms for amending registrations may be obtained from the Registration Support and Emergency Response Branch, Registration Division, (703) 308-8358.

If you choose to delete the use(s) subject to this Notice or uses subject to specific data requirements, further sale, distribution, or use of your product after one year from the due date of your 90 day response, must bear an amended label.

3. Generic Data Exemption - Under section 3(c)(2)(D) of FIFRA, an applicant for registration of a product is exempt from the requirement to submit or cite generic data concerning an active ingredient(s) if the active ingredient(s) in the product is derived exclusively from purchased, registered pesticide products containing the active ingredient(s). EPA has concluded, as an exercise of its discretion, that it normally will not suspend the registration of a product which would qualify and continue to qualify for the generic data exemption in section 3(c)(2)(D) of FIFRA. To qualify, all of the following requirements must be met:

a. The active ingredient(s) in your registered product must be present solely because of incorporation of another registered product which contains the subject active ingredient(s) and is purchased from a source not connected with you; and,

b. every registrant who is the ultimate source of the active ingredient(s) in your product subject to this DCI must be in compliance with the requirements of this Notice and must remain in compliance; and

c. you must have provided to EPA an accurate and current "Confidential Statement of Formula" for each of your products to which this Notice applies.

To apply for the Generic Data Exemption you must submit a completed Data Call-In Response Form, Attachment 2 and all supporting documentation. The Generic Data Exemption is item number 6a on the Data Call-In Response Form. If you claim a generic data exemption you are not required to complete the Requirements Status and Registrant's Response Form. Generic Data Exemption cannot be selected as an option for product specific data.

If you are granted a Generic Data Exemption, you rely on the efforts of other persons to provide the Agency with the required data. If the registrant(s) who have committed to generate and submit the required data fail to take

appropriate steps to meet the requirements or are no longer in compliance with this Data Call-In Notice, the Agency will consider that both they and you are not in compliance and will normally initiate proceedings to suspend the registrations of both your and their product(s), unless you commit to submit and do submit the required data within the specified time. In such cases the Agency generally will not grant a time extension for submitting the data.

4. Satisfying the Data Requirements of this Notice - There are various options available to satisfy the data requirements of this Notice. These options are discussed in Section III-C of this Notice and comprise options 1 through 6 on the Requirements Status and Registrant's Response Form and option 6b and 7 on the Data Call-In Response Form. If you choose option 6b or 7, you must submit both forms as well as any other information/data pertaining to the option chosen to address the data requirement.

5. Request for Data Waivers. Data waivers are discussed in Section III-D of this Notice and are covered by options 8 and 9 on the Requirements Status and Registrant's Response Form. If you choose one of these options, you must submit both forms as well as any other information/data pertaining to the option chosen to address the data requirement.

C. SATISFYING THE DATA REQUIREMENTS OF THIS NOTICE

If you acknowledge on the Data Call-In Response Form that you agree to satisfy the data requirements (i.e. you select option 6b and/or 7), then you must select one of the six options on the Requirements Status and Registrant's Response Form related to data production for each data requirement. Your option selection should be entered under item number 9, "Registrant Response." The six options related to data production are the first six options discussed under item 9 in the instructions for completing the Requirements Status and Registrant's Response Form. These six options are listed immediately below with information in parentheses to guide registrants to additional instructions provided in this Section. The options are:

1. I will generate and submit data within the specified time frame (Developing Data),

2. I have entered into an agreement with one or more registrants to develop data jointly (Cost Sharing),

3. I have made offers to cost-share (Offers to Cost Share),

4. I am submitting an existing study that has not been submitted previously to the Agency by anyone (Submitting an Existing Study),

5. I am submitting or citing data to upgrade a study classified by EPA as partially acceptable and upgradeable (Upgrading a Study),

6. I am citing an existing study that EPA has classified as acceptable or an existing study that has been submitted but not reviewed by the Agency (Citing an Existing Study).

Option 1, Developing Data --

If you choose to develop the required data it must be in conformance with Agency deadlines and with other Agency requirements as referenced herein and in the attachments. All data generated and submitted must comply with the Good Laboratory Practice (GLP) rule (40 CFR Part 160), be conducted according to the Pesticide Assessment Guidelines (PAG), and be in conformance with the requirements of PR Notice 86-5. In addition, certain studies require Agency approval of test protocols in advance of study initiation. Those studies for which a protocol must be submitted have been identified in the Requirements Status and Registrant's Response Form and/or footnotes to the form. If you wish to use a protocol which differs from the options discussed in Section II-C of this Notice, you must submit a detailed description of the proposed protocol and your reason for wishing to use it. The Agency may choose to reject a protocol not specified in Section II-C. If the Agency rejects your protocol you will be notified in writing, however, you should be aware that rejection of a proposed protocol will not be a basis for extending the deadline for submission of data.

A progress report must be submitted for each study within 90 days from the date you are required to commit to generate or undertake some other means to address that study requirement, such as making an offer to cost-share or agreeing to share in the cost of developing that study. A 90-day progress report must be submitted for all studies. This 90-day progress report must include the date the study was or will be initiated and, for studies to be started within 12 months of commitment, the name and address of the laboratory(ies) or individuals who are or will be conducting the study.

In addition, if the time frame for submission of a final report is more than 1 year, interim reports must be submitted at 12 month intervals from the date you are required to commit to generate or otherwise address the requirement for the study. In addition to the other information specified in the preceding paragraph, at a minimum, a brief description of current activity on and the status of the study must be included as well as a full description of any problems encountered since the last progress report.

The time frames in the Requirements Status and Registrant's Response Form are the time frames that the Agency is allowing for the submission of

completed study reports or protocols. The noted deadlines run from the date of the receipt of this Notice by the registrant. If the data are not submitted by the deadline, each registrant is subject to receipt of a Notice of Intent to Suspend the affected registration(s).

If you cannot submit the data/reports to the Agency in the time required by this Notice and intend to seek additional time to meet the requirement(s), you must submit a request to the Agency which includes: (1) a detailed description of the expected difficulty and (2) a proposed schedule including alternative dates for meeting such requirements on a step-by-step basis. You must explain any technical or laboratory difficulties and provide documentation from the laboratory performing the testing. While EPA is considering your request, the original deadline remains. The Agency will respond to your request in writing. If EPA does not grant your request, the original deadline remains. Normally, extensions can be requested only in cases of extraordinary testing problems beyond the expectation or control of the registrant. Extensions will not be given in submitting the 90-day responses. Extensions will not be considered if the request for extension is not made in a timely fashion; in no event shall an extension request be considered if it is submitted at or after the lapse of the subject deadline.

Option 2. Agreement to Share in Cost to Develop Data --

If you choose to enter into an agreement to share in the cost of producing the required data but will not be submitting the data yourself, you must provide the name of the registrant who will be submitting the data. You must also provide EPA with documentary evidence that an agreement has been formed. Such evidence may be your letter offering to join in an agreement and the other registrant's acceptance of your offer, or a written statement by the parties that an agreement exists. The agreement to produce the data need not specify all of the terms of the final arrangement between the parties or the mechanism to resolve the terms. Section 3(c)(2)(B) provides that if the parties cannot resolve the terms of the agreement they may resolve their differences through binding arbitration.

Option 3. Offer to Share in the Cost of Data Development --

If you have made an offer to pay in an attempt to enter into an agreement or amend an existing agreement to meet the requirements of this Notice and have been unsuccessful, you may request EPA (by selecting this option) to exercise its discretion not to suspend your registration(s), although you do not comply with the data submission requirements of this Notice. EPA has determined that as a general policy, absent other relevant considerations, it will not suspend the registration of a product of a registrant who has in good faith sought and continues to seek to enter into a joint data development/cost sharing program, but

the other registrant(s) developing the data has refused to accept your offer. To qualify for this option, you must submit documentation to the Agency proving that you have made an offer to another registrant (who has an obligation to submit data) to share in the burden of developing that data. You must also submit to the Agency a completed EPA Form 8570-32, Certification of Offer to Cost Share in the Development of Data. In addition, you must demonstrate that the other registrant to whom the offer was made has not accepted your offer to enter into a cost sharing agreement by including a copy of your offer and proof of the other registrant's receipt of that offer (such as a certified mail receipt). Your offer must, in addition to anything else, offer to share in the burden of producing the data upon terms to be agreed or failing agreement to be bound by binding arbitration as provided by FIFRA section 3(c)(2)(B)(iii) and must not qualify this offer. The other registrant must also inform EPA of its election of an option to develop and submit the data required by this Notice by submitting a Data Call-In Response Form and a Requirements Status and Registrant's Response Form committing to develop and submit the data required by this Notice.

In order for you to avoid suspension under this option, you may not withdraw your offer to share in the burdens of developing the data. In addition, the other registrant must fulfill its commitment to develop and submit the data as required by this Notice. If the other registrant fails to develop the data or for some other reason is subject to suspension, your registration as well as that of the other registrant will normally be subject to initiation of suspension proceedings, unless you commit to submit, and do submit the required data in the specified time frame. In such cases, the Agency generally will not grant a time extension for submitting the data.

Option 4, Submitting an Existing Study --

If you choose to submit an existing study in response to this Notice, you must determine that the study satisfies the requirements imposed by this Notice. You may only submit a study that has not been previously submitted to the Agency or previously cited by anyone. Existing studies are studies which predate issuance of this Notice. Do not use this option if you are submitting data to upgrade a study. (See Option 5).

You should be aware that if the Agency determines that the study is not acceptable, the Agency will require you to comply with this Notice, normally without an extension of the required date of submission. The Agency may determine at any time that a study is not valid and needs to be repeated.

To meet the requirements of the DCI Notice for submitting an existing study, all of the following three criteria must be clearly met:

a. You must certify at the time that the existing study is submitted that the raw data and specimens from the study are available for audit and review and you must identify where they are available. This must be done in accordance with the requirements of the Good Laboratory Practice (GLP) regulation, 40 CFR Part 160. As stated in 40 CFR 160.3(7) " *raw data* means any laboratory worksheets, records, memoranda, notes, or exact copies thereof, that are the result of original observations and activities of a study and are necessary for the reconstruction and evaluation of the report of that study. In the event that exact transcripts of raw data have been prepared (e.g., tapes which have been transcribed verbatim, dated, and verified accurate by signature), the exact copy or exact transcript may be substituted for the original source as raw data. *Raw data* may include photographs, microfilm or microfiche copies, computer printouts, magnetic media, including dictated observations, and recorded data from automated instruments." The term "specimens", according to 40 CFR 160.3(7), means "any material derived from a test system for examination or analysis."

b. Health and safety studies completed after May 1984 must also contain all GLP-required quality assurance and quality control information, pursuant to the requirements of 40 CFR Part 160. Registrants must also certify at the time of submitting the existing study that such GLP information is available for post-May 1984 studies by including an appropriate statement on or attached to the study signed by an authorized official or representative of the registrant.

c. You must certify that each study fulfills the acceptance criteria for the Guideline relevant to the study provided in the FIFRA Accelerated Reregistration Phase 3 Technical Guidance and that the study has been conducted according to the Pesticide Assessment Guidelines (PAG) or meets the purpose of the PAG (both available from NTIS). A study not conducted according to the PAG may be submitted to the Agency for consideration if the registrant believes that the study clearly meets the purpose of the PAG. The registrant is referred to 40 CFR 158.70 which states the Agency's policy regarding acceptable protocols. If you wish to submit the study, you must, in addition to certifying that the purposes of the PAG are met by the study, clearly articulate the rationale why you believe the study meets the purpose of the PAG, including copies of any supporting information or data. It has been the Agency's experience that studies completed prior to January 1970 rarely satisfied the purpose of the PAG and that necessary raw data are usually not available for such studies.

If you submit an existing study, you must certify that the study meets all requirements of the criteria outlined above.

If EPA has previously reviewed a protocol for a study you are submitting, you must identify any action taken by the Agency on the protocol and must indicate, as part of your certification, the manner in which all Agency comments, concerns, or issues were addressed in the final protocol and study.

If you know of a study pertaining to any requirement in this Notice which does not meet the criteria outlined above but does contain factual information regarding unreasonable adverse effects, you must notify the Agency of such a study. If such a study is in the Agency's files, you need only cite it along with the notification. If not in the Agency's files, you must submit a summary and copies as required by PR Notice 86-5.

Option 5, Upgrading a Study --

If a study has been classified as partially acceptable and upgradeable, you may submit data to upgrade that study. The Agency will review the data submitted and determine if the requirement is satisfied. If the Agency decides the requirement is not satisfied, you may still be required to submit new data normally without any time extension. Deficient, but upgradeable studies will normally be classified as supplemental. However, it is important to note that not all studies classified as supplemental are upgradeable. If you have questions regarding the classification of a study or whether a study may be upgraded, call or write the contact person listed in Attachment 1. If you submit data to upgrade an existing study you must satisfy or supply information to correct all deficiencies in the study identified by EPA. You must provide a clearly articulated rationale of how the deficiencies have been remedied or corrected and why the study should be rated as acceptable to EPA. Your submission must also specify the MRID number(s) of the study which you are attempting to upgrade and must be in conformance with PR Notice 86-5.

Do not submit additional data for the purpose of upgrading a study classified as unacceptable and determined by the Agency as not capable of being upgraded.

This option should also be used to cite data that has been previously submitted to upgrade a study, but has not yet been reviewed by the Agency. You must provide the MRID number of the data submission as well as the MRID number of the study being upgraded.

The criteria for submitting an existing study, as specified in Option 4

above, apply to all data submissions intended to upgrade studies. Additionally your submission of data intended to upgrade studies must be accompanied by a certification that you comply with each of those criteria as well as a certification regarding protocol compliance with Agency requirements.

Option 6, Citing Existing Studies --

If you choose to cite a study that has been previously submitted to EPA, that study must have been previously classified by EPA as acceptable or it must be a study which has not yet been reviewed by the Agency. Acceptable toxicology studies generally will have been classified as "core-guideline" or "core minimum." For ecological effects studies, the classification generally would be a rating of "core." For all other disciplines the classification would be "acceptable." With respect to any studies for which you wish to select this option you must provide the MRID number of the study you are citing and, if the study has been reviewed by the Agency, you must provide the Agency's classification of the study.

If you are citing a study of which you are not the original data submitter, you must submit a completed copy of EPA Form 8570-31, Certification with Respect to Data Compensation Requirements.

D. REQUESTS FOR DATA WAIVERS

There are two types of data waiver responses to this Notice. The first is a request for a low volume/minor use waiver and the second is a waiver request based on your belief that the data requirement(s) are inapplicable and do not apply to your product.

1. Low Volume/Minor Use Waiver -- Option 8 on the Requirements Status and Registrant's Response Form. Section 3(c)(2)(A) of FIFRA requires EPA to consider the appropriateness of requiring data for low volume, minor use pesticides. In implementing this provision EPA considers as low volume pesticides only those active ingredient(s) whose total production volume for all pesticide registrants is small. In determining whether to grant a low volume, minor use waiver the Agency will consider the extent, pattern and volume of use, the economic incentive to conduct the testing, the importance of the pesticide, and the exposure and risk from use of the pesticide. If an active ingredient(s) is used for both high volume and low volume uses, a low volume exemption will not be approved. If all uses of an active ingredient(s) are low volume and the combined volumes for all uses are also low, then an exemption may be granted, depending on review of other information outlined below. An exemption will not be granted if any registrant of the active ingredient(s) elects to conduct the testing. Any registrant receiving a low volume minor use waiver must remain within the sales figures in their forecast supporting the waiver request in order to remain qualified

for such waiver. If granted a waiver, a registrant will be required, as a condition of the waiver, to submit annual sales reports. The Agency will respond to requests for waivers in writing.

To apply for a low volume, minor use waiver, you must submit the following information, as applicable to your product(s), as part of your 90-day response to this Notice:

a. Total company sales (pounds and dollars) of all registered product(s) containing the active ingredient(s). If applicable to the active ingredient(s), include foreign sales for those products that are not registered in this country but are applied to sugar (cane or beet), coffee, bananas, cocoa, and other such crops. Present the above information by year for each of the past five years.

b. Provide an estimate of the sales (pounds and dollars) of the active ingredient(s) for each major use site. Present the above information by year for each of the past five years.

c. Total direct production cost of product(s) containing the active ingredient(s) by year for the past five years. Include information on raw material cost, direct labor cost, advertising, sales and marketing, and any other significant costs listed separately.

d. Total indirect production cost (e.g. plant overhead, amortized plant and equipment) charged to product(s) containing the active ingredient(s) by year for the past five years. Exclude all non-recurring costs that were directly related to the active ingredient(s), such as costs of initial registration and any data development.

e. A list of each data requirement for which you seek a waiver. Indicate the type of waiver sought and the estimated cost to you (listed separately for each data requirement and associated test) of conducting the testing needed to fulfill each of these data requirements.

f. A list of each data requirement for which you are not seeking any waiver and the estimated cost to you (listed separately for each data requirement and associated test) of conducting the testing needed to fulfill each of these data requirements.

g. For each of the next ten years, a year-by-year forecast of company sales (pounds and dollars) of the active ingredient(s), direct production costs of product(s) containing the active ingredient(s) (following the parameters in item c above), indirect production costs of product(s)

containing the active ingredient(s) (following the parameters in item d above), and costs of data development pertaining to the active ingredient(s).

h. A description of the importance and unique benefits of the active ingredient(s) to users. Discuss the use patterns and the effectiveness of the active ingredient(s) relative to registered alternative chemicals and non-chemical control strategies. Focus on benefits unique to the active ingredient(s), providing information that is as quantitative as possible. If you do not have quantitative data upon which to base your estimates, then present the reasoning used to derive your estimates. To assist the Agency in determining the degree of importance of the active ingredient(s) in terms of its benefits, you should provide information on any of the following factors, as applicable to your product(s):

(1) documentation of the usefulness of the active ingredient(s) in Integrated Pest Management, (b) description of the beneficial impacts on the environment of use of the active ingredient(s), as opposed to its registered alternatives, (c) information on the breakdown of the active ingredient(s) after use and on its persistence in the environment, and (d) description of its usefulness against a pest(s) of public health significance.

Failure to submit sufficient information for the Agency to make a determination regarding a request for a low volume minor use waiver will result in denial of the request for a waiver.

2. Request for Waiver of Data --Option 9 on the Requirements Status and Registrant's Response Form. This option may be used if you believe that a particular data requirement should not apply because the corresponding use is no longer registered or the requirement is inappropriate. You must submit a rationale explaining why you believe the data requirements should not apply. You must also submit the current label(s) of your product(s) and, if a current copy of your Confidential Statement of Formula is not already on file you must submit a current copy.

You will be informed of the Agency's decision in writing. If the Agency determines that the data requirements of this Notice do not apply to your product(s), you will not be required to supply the data pursuant to section 3(c)(2)(B). If EPA determines that the data are required for your product(s), you must choose a method of meeting the requirements of this Notice within the time frame provided by this Notice. Within 30 days of your receipt of the Agency's written decision, you must submit a revised Requirements Status and Registrant's Response Form indicating the option chosen.

IV. CONSEQUENCES OF FAILURE TO COMPLY WITH THIS NOTICE

A. NOTICE OF INTENT TO SUSPEND

The Agency may issue a Notice of Intent to Suspend products subject to this Notice due to failure by a registrant to comply with the requirements of this Data Call-In Notice, pursuant to FIFRA section 3(c)(2)(B). Events which may be the basis for issuance of a Notice of Intent to Suspend include, but are not limited to, the following:

1. Failure to respond as required by this Notice within 90 days of your receipt of this Notice.

2. Failure to submit on the required schedule an acceptable proposed or final protocol when such is required to be submitted to the Agency for review.

3. Failure to submit on the required schedule an adequate progress report on a study as required by this Notice.

4. Failure to submit on the required schedule acceptable data as required by this Notice.

5. Failure to take a required action or submit adequate information pertaining to any option chosen to address the data requirements (e.g., any required action or information pertaining to submission or citation of existing studies or offers, arrangements, or arbitration on the sharing of costs or the formation of Task Forces, failure to comply with the terms of an agreement or arbitration concerning joint data development or failure to comply with any terms of a data waiver).

6. Failure to submit supportable certifications as to the conditions of submitted studies, as required by Section III-C of this Notice.

7. Withdrawal of an offer to share in the cost of developing required data.

8. Failure of the registrant to whom you have tendered an offer to share in the cost of developing data and provided proof of the registrant's receipt of such offer, or failure of a registrant on whom you rely for a generic data exemption either to:

   a. inform EPA of intent to develop and submit the data required by this Notice on a Data Call-In Response Form and a Requirements Status and Registrant's Response Form; or,

   b. fulfill the commitment to develop and submit the data as required

by this Notice; or,

c. otherwise take appropriate steps to meet the requirements stated in this Notice, unless you commit to submit and do submit the required data in the specified time frame.

9. Failure to take any required or appropriate steps, not mentioned above, at any time following the issuance of this Notice.

B. BASIS FOR DETERMINATION THAT SUBMITTED STUDY IS UNACCEPTABLE

The Agency may determine that a study (even if submitted within the required time) is unacceptable and constitutes a basis for issuance of a Notice of Intent to Suspend. The grounds for suspension include, but are not limited to, failure to meet any of the following:

1. EPA requirements specified in the Data Call-In Notice or other documents incorporated by reference (including, as applicable, EPA Pesticide Assessment Guidelines, Data Reporting Guidelines, and GeneTox Health Effects Test Guidelines) regarding the design, conduct, and reporting of required studies. Such requirements include, but are not limited to, those relating to test material, test procedures, selection of species, number of animals, sex and distribution of animals, dose and effect levels to be tested or attained, duration of test, and, as applicable, Good Laboratory Practices.

2. EPA requirements regarding the submission of protocols, including the incorporation of any changes required by the Agency following review.

3. EPA requirements regarding the reporting of data, including the manner of reporting, the completeness of results, and the adequacy of any required supporting (or raw) data, including, but not limited to, requirements referenced or included in this Notice or contained in PR 86-5. All studies must be submitted in the form of a final report; a preliminary report will not be considered to fulfill the submission requirement.

C. EXISTING STOCKS OF SUSPENDED OR CANCELLED PRODUCTS

EPA has statutory authority to permit continued sale, distribution and use of existing stocks of a pesticide product which has been suspended or cancelled if doing so would be consistent with the purposes of the Federal Insecticide, Fungicide, and Rodenticide Act.

The Agency has determined that such disposition by registrants of existing stocks for a suspended registration when a section 3(c)(2)(B) data request is outstanding would generally not be consistent with the Act's purposes. Accordingly, the Agency anticipates granting registrants permission to sell, distribute, or use existing stocks of suspended product(s) only in exceptional circumstances. If you believe such disposition of existing stocks of your product(s) which may be suspended for failure to comply with this Notice should be permitted, you have the burden of clearly demonstrating to EPA that granting such permission would be consistent with the Act. You must also explain why an "existing stocks" provision is necessary, including a statement of the quantity of existing stocks and your estimate of the time required for their sale, distribution, and use. Unless you meet this burden the Agency will not consider any request pertaining to the continued sale, distribution, or use of your existing stocks after suspension.

If you request a voluntary cancellation of your product(s) as a response to this Notice and your product is in full compliance with all Agency requirements, you will have, under most circumstances, one year from the date your 90 day response to this Notice is due, to sell, distribute, or use existing stocks. Normally, the Agency will allow persons other than the registrant such as independent distributors, retailers and end users to sell, distribute or use such existing stocks until the stocks are exhausted. Any sale, distribution or use of stocks of voluntarily cancelled products containing an active ingredient(s) for which the Agency has particular risk concerns will be determined on case-by-case basis.

Requests for voluntary cancellation received <u>after</u> the 90 day response period required by this Notice will not result in the Agency granting any additional time to sell, distribute, or use existing stocks beyond a year from the date the 90 day response was due <u>unless</u> you demonstrate to the Agency that you are in full compliance with all Agency requirements, including the requirements of this Notice. For example, if you decide to voluntarily cancel your registration six months before a 3 year study is scheduled to be submitted, all progress reports and other information necessary to establish that you have been conducting the study in an acceptable and good faith manner must have been submitted to the Agency, before EPA will consider granting an existing stocks provision.

SECTION V. <u>REGISTRANTS' OBLIGATION TO REPORT POSSIBLE UNREASONABLE ADVERSE EFFECTS</u>

Registrants are reminded that FIFRA section 6(a)(2) states that if at any time after a pesticide is registered a registrant has additional factual information regarding unreasonable adverse effects on the environment by the pesticide, the registrant shall submit the information to the Agency. Registrants must notify the Agency of any factual information they have, from whatever source, including but not limited to interim or preliminary results of studies, regarding unreasonable adverse effects on man or the environment. This requirement continues as long as the products are registered by the Agency.

SECTION VI. INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the requirements and procedures established by this Notice, call the contact person listed in Attachment 1, the Data Call-In Chemical Status Sheet.

All responses to this Notice (other than voluntary cancellation requests and generic data exemption claims) must include a completed Data Call-In Response Form (Attachment 2) and a completed Requirements Status and Registrant's Response Form (Attachment 3) and any other documents required by this Notice, and should be submitted to the contact person identified in Attachment 1. If the voluntary cancellation or generic data exemption option is chosen, only the Data Call-In Response Form need be submitted.

The Office of Compliance Monitoring (OCM) of the Office of Pesticides and Toxic Substances (OPTS), EPA, will be monitoring the data being generated in response to this Notice.

Sincerely yours,

Daniel M. Barolo, Director
Special Review
and Reregistration Division

Attachment 1. Chemical Status Sheet

Mineral Acids DATA CALL-IN CHEMICAL STATUS SHEET

INTRODUCTION

You have been sent this Generic Data CallIn Notice because you have product(s) containing mineral acids.

This Generic Data Call-In Chemical Status Sheet, contains an overview of data required by this notice, and point of contact for inquiries pertaining to the reregistration of mineral acids. This attachment is to be used in conjunction with (1) the Generic Data Call-In Notice, (2) the Generic Data Call-In Response Form (Attachment B), (3) the Requirements Status and Registrant's Form (Attachment C), (4) a list of registrants receiving this DCI (Attachment D), (5) the EPA Acceptance Criteria (Attachment E), and (6) the Cost Share and Data Compensation Forms in replying to this mineral acids Generic Data Call-In (Attachment F). Instructions and guidance accompany each form.

DATA REQUIRED BY THIS NOTICE

The additional data requirements needed to complete the generic database for mineral acids are contained in the Requirements Status and Registrant's Response, Attachment C. The Agency has concluded that additional product chemistry data on mineral acids are needed. These data are needed to fully complete the reregistration of all eligible mineral acids products.

INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the generic data requirements and procedures established by this Notice, please contact Kathryn Scanlon at (703) 308-8178.

All responses to this Notice for the generic data requirements should be submitted to:

Kathryn Scanlon, Chemical Review Manager
Accelerated Reregistration Branch
Special Review and Registration Division (H7508W)
Office of Pesticide Programs
U.S. Environmental Protection Agency
Washington, D.C. 20460
RE: Mineral Acids

Attachment 2. Generic DCI Response Forms Inserts (Form A) plus Instructions

SPECIFIC INSTRUCTIONS FOR THE GENERIC DATA CALL-IN RESPONSE FORM

This Form is designed to be used to respond to call-ins for generic and product specific data for the purpose of reregistering pesticides under the Federal Insecticide Fungicide and Rodenticide Act. Fill out this form each time you are responding to a data call-in for which EPA has sent you the form entitled "Requirements Status and Registrant's Response."

Items 1-4 will have been preprinted on the form Items 5 through 7 must be completed by the registrant as appropriate Items 8 through 11 must be completed by the registrant before submitting a response to the Agency.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggesting for reducing this burden, to Chief, Information Policy Branch, PM-223, U S Environmental Protection Agency, 401 M St , S W , Washington, D C 20460; and to the Office of Management and Budget, Paperwork Reduction Project 2070-0107, Washington, D C 20503.

INSTRUCTIONS

Item 1. This item identifies your company name, number and address.

Item 2. This item identifies the ease number, ease name, EPA chemical number and chemical name.

Item 3. This item identifies the date and type of data call-in.

Item 4. This item identifies the EPA product registrations relevant to the data call-in. Please note that you are also responsible for informing the Agency of your response regarding any product that you believe may be covered by this data call-in but that is not listed by the Agency in Item 4. You must bring any such apparent omission to the Agency's attention within the period required for submission of this response form.

Item 5. Cheek this item for each product registration you wish to cancel voluntarily. If a registration number is listed for a product for which you previously requested voluntary cancellation, indicate in Item 5 the date of that request. You do not need to complete any item on the Requirements Status and Registrant's Response Form for any product that is voluntarily cancelled.

Item 6a. Check this item if this data call-in is for generic data as indicated in Item 3 and if you are eligible for a Generic Data Exemption for the chemical listed in Item 2 and used in the subject product. By electing this exemption, you agree to the terms and conditions of a Generic Data Exemption as explained in the Data Call-In Notice.

If you are eligible for or claim a Generic Data Exemption, enter the EPA registration Number of each registered source of that active ingredient that you use in your product.

Typically, if you purchase an EPA-registered product from one or more other producers (who, with respect to the incorporated product, are in compliance with this and-any other outstanding Data Call-In Notice), and incorporate that product into all your products, you may complete this item for all products listed on this form If, however, you produce the active ingredient yourself, or use any unregistered product (regardless of the fact that some of your sources are registered), you may not claim a Generic Data Exemption and you may not select this item.

Item 6b. Check this Item if the data call-in is a generic data call-in as indicated in Item 3 and if you are agreeing to satisfy the generic data requirements of this data call-in. Attach the Requirements Status and Registrant's Response Form that indicates how you will satisfy those requirements.

Item 7a. Check this item if this call-in if a data call-in as indicated in Item 3 for a manufacturing use product (MUP), and if your product is a manufacturing use product for which you agree to supply product-specific data. Attach the Requirements Status and Registrants' Response Form that indicates how you will satisfy those requirements.

Item 7b. Check this item if this call-in is a data call-in for an end use product (EUP) as indicated in Item 3 and if your product is an end use product for which you agree to supply product-specific data. Attach the Requirements Status and Registrant's Response Form that indicates how you will satisfy those requirements.

Item 8. This certification statement must be signed by an authorized representative of your company and the person signing must include his/her title. Additional pages used in your response must be initialled and dated in the space provided for the certification.

Item 9. Enter the date of signature.

Item 10. Enter the name of the person EPA should contact with questions regarding your response.

Item 11. Enter the phone number of your company contact.

Attachment 3. Requirements Status and Registrants' Response Forms Inserts (Form B) plus Instructions

SPECIFIC INSTRUCTIONS FOR COMPLETING THE REQUIREMENTS STATUS AND REGISTRANTS RESPONSE FORM

Generic Data

This form is designed to be used for registrants to respond to call-in- for generic and product-specific data as part of EPA's reregistration program under the Federal Insecticide Fungicide and Rodenticide Act. Although the form is the same for both product specific and generic data, instructions for completing the forms differ slightly. Specifically, options for satisfying product specific data requirements do not include (1) deletion of uses or (2) request for a low volume/minor use waiver. These instructions are for completion of generic data requirements.

EPA has developed this form individually for each data call-in addressed to each registrant, and has preprinted this form with a number of items. DO NOT use this form for any other active ingredient.

Items 1 through 8 (inclusive) will have been preprinted on the form. You must complete all other items on this form by typing or printing legibly.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggesting for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Project 2070-0107, Washington, D.C. 20503.

INSTRUCTIONS

Item 1. This item identifies your company name, number, and address.

Item 2. This item identifies the case number, case name, EPA chemical number and chemical name.

Item 3. This item identifies the date and type of data call-in.

Item 4. This item identifies the guideline reference numbers of studies required to support the product(s) being reregistered. These guidelines, in addition to requirements specified in the Data Call-In Notice, govern the conduct of the required studies.

Item 5. This item identifies the study title associated with the guideline reference number and whether protocols and 1, 2, or 3-year progress reports are required to be

submitted in connection with the study. As noted in Section III of the Data Call-In Notice, 90-day progress reports are required for all studies.

If an asterisk appears in Item 5, EPA has attached information relevant to this guideline reference number to the Requirements Status and Registrant's Response Form.

Item 6. This item identifies the code associated with the use pattern of the pesticide. A brief description of each code follows:

A.	Terrestrial food
B.	Terrestrial feed
C.	Terrestrial non-food
D.	Aquatic food
E.	Aquatic non-food outdoor
F.	Aquatic non-food industrial
G.	Aquatic non-food residential
H.	Greenhouse food
I.	Greenhouse non-food crop
J.	Forestry
K.	Residential
L.	Indoor food
M.	Indoor non-food
N.	Indoor medical
O.	Indoor residential

Item 7. This item identifies the code assigned to the substance that must be used for testing. A brief description of each code follows.

EP	End-Use Product
MP	Manufacturing-Use Product
MP/TGAI	Manufacturing-Use Product and Technical Grade Active Ingredient
PAI	Pure Active Ingredient
PAI/M	Pure Active Ingredient and Metabolites
PAI/PAIRA	Pure Active Ingredient or Pure Active Ingredient Radiolabelled
PAIRA	Pure Active Ingredient Radiolabelled
PAIRA/M	Pure Active Ingredient Radiolabelled and Metabolites
PAIRA/PM	Pure Active Ingredient Radiolabelled and Plant Metabolites
TEP	Typical End-Use Product
TEP _ *	Typical End-Use Product, Percent Active Ingredient Specified

TEP/MET	Typical End-Use Product and Metabolites
TEP/PAI/M	Typical End-Use Product or Pure Active Ingredient and Metabolites
TGAI/PAIRA	Technical Grade Active Ingredient or Pure Active Ingredient Radiolabelled
TGAI	Technical Grade Active Ingredient
TGAI/TEP	Technical Grade Active Ingredient or Typical End-Use Product
TGAI/PAI	Technical Grade Active Ingredient or Pure Active Ingredient
MET	Metabolites
IMP	Impurities
DEGR	Degradates

*See: guideline comment

Item 8. This item identifies the time frame allowed for submission of the study or protocol identified in item 2. The time frame runs from the date **of your** receipt of the Data Call-In Notice.

Item 9. Enter the appropriate Response Code or Codes to show how you intend to comply with each data requirement. Brief descriptions of each code follow. The Data Call-In Notice contains a fuller description of each of these options.

1. (Developing Data) I will conduct a new study and submit it within the time frames specified in item 8 above. By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to the conditions for submittal of this study as outlined in the Data Call-In Notice and that I will provide the protocol and progress reports required in item 5 above.

2. (Agreement to Cost Share) I have entered into an agreement with one or more registrants to develop data jointly. By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to sharing in the cost of developing data as outlined in the Data Call-In Notice.

3. (Offer to Cost Share) I have made an offer to enter into an agreement with one or more registrants to develop data jointly. I am submitting a copy of the form "Certification of Offer to Cost Share in the Development of Data" that describes this offer/agreement. By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to making an offer to share in the cost of developing data as outlined in the Data Call-In Notice.

4. (Submitting Existing Data) I am submitting an existing study that has never before been submitted to EPA. By indicating that I have chosen this option, I certify that this study meets all the requirements pertaining to the conditions for submittal of existing data outlined in the Data Call-In Notice and I have attached the needed supporting information along with this response.

5. (Upgrading a Study) I am submitting or citing data to upgrade a study that EPA has classified as partially acceptable and potentially upgradeable. By indicating that I have chosen this option, I certify that I have met all the requirements pertaining to the conditions for submitting or citing existing data to upgrade a study described in the Data Call-In Notice. I am indicating on attached correspondence the Master Record Identification Number (MRID) that EPA has assigned to the data that I am citing as well as the MRID of the study I am attempting to upgrade.

6. (Citing a Study) I am citing an existing study that has been previously classified by EPA as acceptable, core, core minimum, or a study that has not yet been reviewed by the Agency. I am providing the Agency's classification of the study.

7. (Deleting Uses) I am attaching an application for amendment to my registration deleting the uses for which the data are required.

8. (Low Volume/Minor Use Waiver Request) I have read the statements concerning low volume-minor use data waivers in the Data Call-In Notice and I request a low-volume minor use waiver of the data requirement. I am attaching a detailed justification to support this waiver request including, among other things, all information required to support the request. I understand that, unless modified by the Agency in writing, the data requirement as stated in the Notice governs.

9. (Request for Waiver of Data) I have read the statements concerning data waivers other than low volume minor-use data waivers in the Data Call-In Notice and I request a waiver of the data requirement. I am attaching an identification of the basis for this waiver and a detailed justification to support this waiver request. The justification includes, among other things, all information required to support the request. I understand that, unless modified by the Agency in writing, the data requirement as stated in the Notice governs.

Item 10. This item must be signed by an authorized representative of your company. The person signing must include his/her title, and must initial and date all other pages of this form.

Item 11. Enter the date of signature.

Item 12. Enter the name of the person EPA should contact with questions regarding your response.

Item 13. Enter the phone number of your company contact.

Attachment 4. List of Registrant(s) sent this DCI (Insert)

APPENDIX G. Product Specific Data Call-In

DATA CALL-IN NOTICE

CERTIFIED MAIL

Dear Sir or Madam:

This Notice requires you and other registrants of pesticide products containing the active ingredient identified in Attachment 1 of this Notice, the Data Call-In Chemical Status Sheet, to submit certain product specific data as noted herein to the U.S. Environmental Protection Agency (EPA, the Agency). These data are necessary to maintain the continued registration of your product(s) containing this active ingredient. Within 90 days after you receive this Notice you must respond as set forth in Section III below. Your response must state:

1. How you will comply with the requirements set forth in this Notice and its Attachments A through G; or

2. Why you believe you are exempt from the requirements listed in this Notice and in Attachment 3, Requirements Status and Registrant's Response Form, (see section III-B); or

3. Why you believe EPA should not require your submission of product specific data in the manner specified by this Notice (see section III-D).

If you do not respond to this Notice, or if you do not satisfy EPA that you will comply with its requirements or should be exempt or excused from doing so, then the registration of your product(s) subject to this Notice will be subject to suspension. We have provided a list of all of your products subject to this Notice in Attachment 2, Data Call-In Response Form, as well as a list of all registrants who were sent this Notice (Attachment 6).

The authority for this Notice is section 3(c)(2)(B) of the Federal Insecticide, Fungicide and Rodenticide Act as amended (FIFRA), 7 U.S.C. section 136a(c)(2)(B). Collection of this information is authorized under the Paperwork Reduction Act by OMB Approval No. 2070-0107 (expiration date 12-31-92).

This Notice is divided into six sections and seven Attachments. The Notice itself contains information and instructions applicable to all Data Call-In Notices. The Attachments contain specific chemical information and instructions. The six sections of the Notice are:

Section I - Why You Are Receiving This Notice
Section II - Data Required By This Notice
Section III- Compliance With Requirements Of This Notice
Section IV - Consequences Of Failure To Comply With This Notice
Section V - Registrants' Obligation To Report Possible Unreasonable Adverse Effects
Section VI - Inquiries And Responses To This Notice

The Attachments to this Notice are:

1 - Data Call-In Chemical Status Sheet
2 - Product-Specific Data Call-In Response Form
3 - Requirements Status and Registrant's Response Form
4 - EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration
5 - EPA Acceptance Criteria
6 - List of Registrants Receiving This Notice
7 - Cost Share and Data Compensation Forms, and Product Specific Data Report Form

SECTION I. WHY YOU ARE RECEIVING THIS NOTICE

The Agency has reviewed existing data for this active ingredient and reevaluated the data needed to support continued registration of the subject active ingredient. The Agency has concluded that the only additional data necessary are product specific data. No additional generic data requirements are being imposed. You have been sent this Notice because you have product(s) containing the subject active ingredient.

SECTION II. DATA REQUIRED BY THIS NOTICE

II-A. DATA REQUIRED

The product specific data required by this Notice are specified in Attachment 3, Requirements Status and Registrant's Response Form. Depending on the results of the studies required in this Notice, additional testing may be required.

II-B. SCHEDULE FOR SUBMISSION OF DATA

You are required to submit the data or otherwise satisfy the data requirements specified in Attachment 3, Requirements Status and Registrant's Response Form, within the time frames provided.

II-C. TESTING PROTOCOL

All studies required under this Notice must be conducted in accordance with test standards outlined in the Pesticide Assessment Guidelines for those studies for which guidelines have been established.

These EPA Guidelines are available from the National Technical Information Service (NTIS), Attn: Order Desk, 5285 Port Royal Road, Springfield, Va 22161 (tel: 703-487-4650).

Protocols approved by the Organization for Economic Cooperation and Development (OECD) are also acceptable if the OECD-recommended test standards conform to those specified in the Pesticide Data Requirements regulation (40 CFR § 158.70). When using the OECD protocols, they should be modified as appropriate so that the data generated by the study will satisfy the requirements of 40 CFR § 158. Normally, the Agency will not extend deadlines for complying with data requirements when the studies were not conducted in accordance with acceptable standards. The OECD protocols are available from OECD, 1750 Pennsylvania Avenue N.W., Washington, D.C. 20006.

All new studies and proposed protocols submitted in response to this Data Call-In Notice must be in accordance with Good Laboratory Practices [40 CFR Part 160.3(a)(6)].

II-D. REGISTRANTS RECEIVING PREVIOUS SECTION 3(c)(2)(B) NOTICES ISSUED BY THE AGENCY

Unless otherwise noted herein, this Data Call-In does not in any way supersede or change the requirements of any previous Data Call-In(s), or any other agreements entered into with the Agency pertaining to such prior Notice. Registrants must comply with the requirements of all Notices to avoid issuance of a Notice of Intent to Suspend their affected products.

SECTION III. COMPLIANCE WITH REQUIREMENTS OF THIS NOTICE

III-A. SCHEDULE FOR RESPONDING TO THE AGENCY

The appropriate responses initially required by this Notice for product specific data must be submitted to the Agency within 90 days after your receipt of this Notice. Failure to adequately respond to this Notice within 90 days of your receipt will be a basis for issuing a Notice of Intent to Suspend (NOIS) affecting your products. This and other bases for issuance of NOIS due to failure to comply with this Notice are presented in Section IV-A and IV-B.

III-B. OPTIONS FOR RESPONDING TO THE AGENCY

The options for responding to this Notice for product specific data are: (a) voluntary cancellation, (b) agree to satisfy the product specific data requirements imposed by this notice or (c) request a data waiver(s).

A discussion of how to respond if you chose the Voluntary Cancellation option is presented below. A discussion of the various options available for satisfying the product specific data requirements of this Notice is contained in Section III-C. A discussion of options relating to requests for data waivers is contained in Section III-D.

There are two forms that accompany this Notice of which, depending upon your response, one or both must be used in your response to the Agency. These forms are the Data-Call-In Response Form, and the Requirements Status and Registrant's Response Form, Attachment 2 and Attachment 3. The Data Call-In Response Form must be submitted as part of every response to this Notice. In addition, one copy of the Requirements Status and Registrant's Response Form must be submitted for each product listed on the Data Call-In Response Form unless the voluntary cancellation option is selected or unless the product is identical to another (refer to the instructions for completing the Data Call-In Response Form in Attachment 2). Please note that the company's authorized representative is required to sign the first page of the Data Call-In Response Form and Requirements Status and Registrant's Response Form (if this form is required) and initial any subsequent pages. The forms contain separate detailed instructions on the response options. Do not alter the printed material. If you have questions or need assistance in preparing your response, call or write the contact person(s) identified in Attachment 1.

1. Voluntary Cancellation - You may avoid the requirements of this Notice by requesting voluntary cancellation of your product(s) containing the active ingredient that is the subject of this Notice. If you wish to voluntarily cancel your product, you must submit a completed Data Call-In Response Form, indicating your election of this option. Voluntary cancellation is item number 5 on the Data Call-In Response Form. If you choose this option, this is the only form that you are required to complete.

If you chose to voluntarily cancel your product, further sale and distribution of your product after the effective date of cancellation must be in accordance with the Existing Stocks provisions of this Notice which are contained in Section IV-C.

2. Satisfying the Product Specific Data Requirements of this Notice There are various options available to satisfy the product specific data requirements of this Notice. These options are discussed in Section III-C of this Notice and comprise options 1 through 6 on the Requirements Status and Registrant's Response Form and item numbers 7a and 7b on the Data Call-In Response Form. Deletion of a use(s) and the low volume/minor use option are not valid options for fulfilling product specific data requirements.

3. Request for Product Specific Data Waivers. Waivers for product specific data are discussed in Section III-D of this Notice and are covered by option 7 on the Requirements Status and Registrant's Response Form. If you choose one of these options, you must submit both forms as well as any other information/data pertaining to the option chosen to address the data requirement.

III-C SATISFYING THE DATA REQUIREMENTS OF THIS NOTICE

If you acknowledge on the Data Call-In Response Form that you agree to satisfy the product specific data requirements (i.e. you select item number 7a or 7b), then you must select one of the six options on the Requirements Status and Registrant's Response Form related to data production for each data requirement. Your option selection should be entered under item number 9, "Registrant Response." The six options related to data production are the first six options discussed under item 9 in the instructions for completing the Requirements Status and Registrant's Response Form. These six options are listed immediately below with information in parentheses to guide registrants to additional instructions provided in this Section. The options are:

(1) I will generate and submit data within the specified time frame (Developing Data)
(2) I have entered into an agreement with one or more registrants to develop data jointly (Cost Sharing)
(3) I have made offers to cost-share (Offers to Cost Share)
(4) I am submitting an existing study that has not been submitted previously to the Agency by anyone (Submitting an Existing Study)
(5) I am submitting or citing data to upgrade a study classified by EPA as partially acceptable and upgradeable (Upgrading a Study)
(6) I am citing an existing study that EPA has classified as acceptable or an existing study that has been submitted but not reviewed by the Agency (Citing an Existing Study)

Option 1, Developing Data -- If you choose to develop the required data it must be in conformance with Agency deadlines and with other Agency requirements as referenced herein and in the attachments. All data generated and submitted must comply with the Good Laboratory Practice (GLP) rule (40 CFR Part 160), be conducted according to the Pesticide Assessment Guidelines (PAG), and be in conformance with the requirements of PR Notice 86-5.

The time frames in the Requirements Status and Registrant's Response Form are the time frames that the Agency is allowing for the submission of completed study reports. The noted deadlines run from the date of the receipt of this Notice by the registrant. If the data are not submitted by the deadline, each registrant is subject to receipt of a Notice of Intent to Suspend the affected registration(s).

If you cannot submit the data/reports to the Agency in the time required by this Notice and intend to seek additional time to meet the requirements(s), you must submit a request to the Agency which includes: (1) a detailed description of the expected difficulty and (2) a proposed schedule

including alternative dates for meeting such requirements on a step-by-step basis. You must explain any technical or laboratory difficulties and provide documentation from the laboratory performing the testing. While EPA is considering your request, the original deadline remains. The Agency will respond to your request in writing. If EPA does not grant your request, the original deadline remains. Normally, extensions can be requested only in cases of extraordinary testing problems beyond the expectation or control of the registrant. Extensions will not be given in submitting the 90-day responses. Extensions will not be considered if the request for extension is not made in a timely fashion; in no event shall an extension request be considered if it is submitted at or after the lapse of the subject deadline.

Option 2, Agreement to Share in Cost to Develop Data -- Registrants may only choose this option for acute toxicity data and certain efficacy data and only if EPA has indicated in the attached data tables that your product and at least one other product are similar for purposes of depending on the same data. If this is the case, data may be generated for just one of the products in the group. The registration number of the product for which data will be submitted must be noted in the agreement to cost share by the registrant selecting this option. If you choose to enter into an agreement to share in the cost of producing the required data but will not be submitting the data yourself, you must provide the name of the registrant who will be submitting the data. You must also provide EPA with documentary evidence that an agreement has been formed. Such evidence may be your letter offering to join in an agreement and the other registrant's acceptance of your offer, or a written statement by the parties that an agreement exists. The agreement to produce the data need not specify all of the terms of the final arrangement between the parties or the mechanism to resolve the terms. Section 3(c)(2)(B) provides that if the parties cannot resolve the terms of the agreement they may resolve their differences through binding arbitration.

Option 3, Offer to Share in the Cost of Data Development -- This option only applies to acute toxicity and certain efficacy data as described in option 2 above. If you have made an offer to pay in an attempt to enter into an agreement or amend an existing agreement to meet the requirements of this Notice and have been unsuccessful, you may request EPA (by selecting this option) to exercise its discretion not to suspend your registration(s), although you do not comply with the data submission requirements of this Notice. EPA has determined that as a general policy, absent other relevant considerations, it will not suspend the registration of a product of a registrant who has in good faith sought and continues to seek to enter into a joint data development/cost sharing program, but the other registrant(s) developing the data has refused to accept your offer. To qualify for this option, you must submit documentation to the Agency proving that you have made an offer to another registrant (who has an obligation to submit data) to share in the burden of developing that data. You must also submit to the Agency a completed EPA Form 8570-32, Certification of Offer to Cost Share in the Development of Data, Attachment 7. In addition, you must demonstrate that the other registrant to whom the offer was made has not accepted your offer to enter into a cost sharing agreement by including a copy of your offer and proof of the other registrant's receipt of that offer (such as a certified mail receipt). Your offer must, in addition to anything else, offer to share in the burden of producing the data upon terms to be agreed or failing agreement to be bound by binding arbitration as provided by FIFRA section 3(c)(2)(B)(iii) and must not qualify this offer. The other registrant must also inform EPA of its election of an option to

develop and submit the data required by this Notice by submitting a Data Call-In Response Form and a Requirements Status and Registrant's Response Form committing to develop and submit the data required by this Notice.

In order for you to avoid suspension under this option, you may not withdraw your offer to share in the burdens of developing the data. In addition, the other registrant must fulfill its commitment to develop and submit the data as required by this Notice. If the other registrant fails to develop the data or for some other reason is subject to suspension, your registration as well as that of the other registrant will normally be subject to initiation of suspension proceedings, unless you commit to submit, and do submit the required data in the specified time frame. In such cases, the Agency generally will not grant a time extension for submitting the data.

Option 4, Submitting an Existing Study -- If you choose to submit an existing study in response to this Notice, you must determine that the study satisfies the requirements imposed by this Notice. You may only submit a study that has not been previously submitted to the Agency or previously cited by anyone. Existing studies are studies which predate issuance of this Notice. Do not use this option if you are submitting data to upgrade a study. (See Option 5).

You should be aware that if the Agency determines that the study is not acceptable, the Agency will require you to comply with this Notice, normally without an extension of the required date of submission. The Agency may determine at any time that a study is not valid and needs to be repeated.

To meet the requirements of the DCI Notice for submitting an existing study, all of the following three criteria must be clearly met:

a. You must certify at the time that the existing study is submitted that the raw data and specimens from the study are available for audit and review and you must identify where they are available. This must be done in accordance with the requirements of the Good Laboratory Practice (GLP) regulation, 40 CFR Part 160. As stated in 40 CFR 160.3(j) " 'raw data' means any laboratory worksheets, records, memoranda, notes, or exact copies thereof, that are the result of original observations and activities of a study and are necessary for the reconstruction and evaluation of the report of that study. In the event that exact transcripts of raw data have been prepared (e.g., tapes which have been transcribed verbatim, dated, and verified accurate by signature), the exact copy or exact transcript may be substituted for the original source as raw data. 'Raw data' may include photographs, microfilm or microfiche copies, computer printouts, magnetic media, including dictated observations, and recorded data from automated instruments." The term "specimens", according to 40 CFR 160.3(k), means "any material derived from a test system for examination or analysis."

b. Health and safety studies completed after May 1984 must also contain all GLP-required quality assurance and quality control information, pursuant to the

requirements of 40 CFR Part 160. Registrants must also certify at the time of submitting the existing study that such GLP information is available for post-May 1984 studies by including an appropriate statement on or attached to the study signed by an authorized official or representative of the registrant.

c. You must certify that each study fulfills the acceptance criteria for the Guideline relevant to the study provided in the FIFRA Accelerated Reregistration Phase 3 Technical Guidance and that the study has been conducted according to the Pesticide Assessment Guidelines (PAG) or meets the purpose of the PAG (both available from NTIS). A study not conducted according to the PAG may be submitted to the Agency for consideration if the registrant believes that the study clearly meets the purpose of the PAG. The registrant is referred to 40 CFR 158.70 which states the Agency's policy regarding acceptable protocols. If you wish to submit the study, you must, in addition to certifying that the purposes of the PAG are met by the study, clearly articulate the rationale why you believe the study meets the purpose of the PAG, including copies of any supporting information or data. It has been the Agency's experience that studies completed prior to January 1970 rarely satisfied the purpose of the PAG and that necessary raw data are usually not available for such studies.

If you submit an existing study, you must certify that the study meets all requirements of the criteria outlined above.

If you know of a study pertaining to any requirement in this Notice which does not meet the criteria outlined above but does contain factual information regarding unreasonable adverse effects, you must notify the Agency of such a study. If such study is in the Agency's files, you need only cite it along with the notification. If not in the Agency's files, you must submit a summary and copies as required by PR Notice 86-5.

Option 5. Upgrading a Study -- If a study has been classified as partially acceptable and upgradeable, you may submit data to upgrade that study. The Agency will review the data submitted and determine if the requirement is satisfied. If the Agency decides the requirement is not satisfied, you may still be required to submit new data normally without any time extension. Deficient, but upgradeable studies will normally be classified as supplemental. However, it is important to note that not all studies classified as supplemental are upgradeable. If you have questions regarding the classification of a study or whether a study may be upgraded, call or write the contact person listed in Attachment 1. If you submit data to upgrade an existing study you must satisfy or supply information to correct all deficiencies in the study identified by EPA. You must provide a clearly articulated rationale of how the deficiencies have been remedied or corrected and why the study should be rated as acceptable to EPA. Your submission must also specify the MRID number(s) of the study which you are attempting to upgrade and must be in conformance with PR Notice 86-5.

Do not submit additional data for the purpose of upgrading a study classified as unacceptable and determined by the Agency as not capable of being upgraded.

This option should also be used to cite data that has been previously submitted to upgrade a study, but has not yet been reviewed by the Agency. You must provide the MRID number of the data submission as well as the MRID number of the study being upgraded.

The criteria for submitting an existing study, as specified in Option 4 above, apply to all data submissions intended to upgrade studies. Additionally your submission of data intended to upgrade studies must be accompanied by a certification that you comply with each of those criteria as well as a certification regarding protocol compliance with Agency requirements.

Option 6, Citing Existing Studies -- If you choose to cite a study that has been previously submitted to EPA, that study must have been previously classified by EPA as acceptable or it must be a study which has not yet been reviewed by the Agency. Acceptable toxicology studies generally will have been classified as "core-guideline" or "core minimum." For all other disciplines the classification would be "acceptable." With respect to any studies for which you wish to select this option you must provide the MRID number of the study you are citing and, if the study has been reviewed by the Agency, you must provide the Agency's classification of the study.

If you are citing a study of which you are not the original data submitter, you must submit a completed copy of EPA Form 8570-31, Certification with Respect to Data Compensation Requirements.

Registrants who select one of the above 6 options must meet all of the requirements described in the instructions for completing the Data Call-In Response Form and the Requirements Status and Registrant's Response Form, as appropriate.

III-D REQUESTS FOR DATA WAIVERS

If you request a waiver for product specific data because you believe it is inappropriate, you must attach a complete justification for the request, including technical reasons, data and references to relevant EPA regulations, guidelines or policies. (Note: any supplemental data must be submitted in the format required by PR Notice 86-5). This will be the only opportunity to state the reasons or provide information in support of your request. If the Agency approves your waiver request, you will not be required to supply the data pursuant to section 3(c)(2)(B) of FIFRA. If the Agency denies your waiver request, you must choose an option for meeting the data requirements of this Notice within 30 days of the receipt of the Agency's decision. You must indicate and submit the option chosen on the Requirements Status and Registrant's Response Form. Product specific data requirements for product chemistry, acute toxicity and efficacy (where appropriate) are required for all products and the Agency would grant a waiver only under extraordinary circumstances. You should also be aware that submitting a waiver request will not automatically extend the due date for the study in question. Waiver requests submitted without adequate supporting rationale will be denied and the original due date will remain in force.

IV. CONSEQUENCES OF FAILURE TO COMPLY WITH THIS NOTICE

IV-A NOTICE OF INTENT TO SUSPEND

The Agency may issue a Notice of Intent to Suspend products subject to this Notice due to failure by a registrant to comply with the requirements of this Data Call-In Notice, pursuant to FIFRA section 3(c)(2)(B). Events which may be the basis for issuance of a Notice of Intent to Suspend include, but are not limited to, the following:

1. Failure to respond as required by this Notice within 90 days of your receipt of this Notice.

2. Failure to submit on the required schedule an acceptable proposed or final protocol when such is required to be submitted to the Agency for review.

3. Failure to submit on the required schedule an adequate progress report on a study as required by this Notice.

4. Failure to submit on the required schedule acceptable data as required by this Notice.

5. Failure to take a required action or submit adequate information pertaining to any option chosen to address the data requirements (e.g., any required action or information pertaining to submission or citation of existing studies or offers, arrangements, or arbitration on the sharing of costs or the formation of Task Forces, failure to comply with the terms of an agreement or arbitration concerning joint data development or failure to comply with any terms of a data waiver).

6. Failure to submit supportable certifications as to the conditions of submitted studies, as required by Section III-C of this Notice.

7. Withdrawal of an offer to share in the cost of developing required data.

8. Failure of the registrant to whom you have tendered an offer to share in the cost of developing data and provided proof of the registrant's receipt of such offer or failure of a registrant on whom you rely for a generic data exemption either to:

    a. inform EPA of intent to develop and submit the data required by this Notice on a Data Call-In Response Form and a Requirements Status and Registrant's Response Form;

    b. fulfill the commitment to develop and submit the data as required by this Notice; or

    c. otherwise take appropriate steps to meet the requirements stated in this

Notice, unless you commit to submit and do submit the required data in the specified time frame.

9. Failure to take any required or appropriate steps, not mentioned above, at any time following the issuance of this Notice.

IV-B. BASIS FOR DETERMINATION THAT SUBMITTED STUDY IS UNACCEPTABLE

The Agency may determine that a study (even if submitted within the required time) is unacceptable and constitutes a basis for issuance of a Notice of Intent to Suspend. The grounds for suspension include, but are not limited to, failure to meet any of the following:

1. EPA requirements specified in the Data Call-In Notice or other documents incorporated by reference (including, as applicable, EPA Pesticide Assessment Guidelines, Data Reporting Guidelines, and GeneTox Health Effects Test Guidelines) regarding the design, conduct, and reporting of required studies. Such requirements include, but are not limited to, those relating to test material, test procedures, selection of species, number of animals, sex and distribution of animals, dose and effect levels to be tested or attained, duration of test, and, as applicable, Good Laboratory Practices.

2. EPA requirements regarding the submission of protocols, including the incorporation of any changes required by the Agency following review.

3. EPA requirements regarding the reporting of data, including the manner of reporting, the completeness of results, and the adequacy of any required supporting (or raw) data, including, but not limited to, requirements referenced or included in this Notice or contained in PR 86-5. All studies must be submitted in the form of a final report; a preliminary report will not be considered to fulfill the submission requirement.

IV-C EXISTING STOCKS OF SUSPENDED OR CANCELLED PRODUCTS

EPA has statutory authority to permit continued sale, distribution and use of existing stocks of a pesticide product which has been suspended or cancelled if doing so would be consistent with the purposes of the Act.

The Agency has determined that such disposition by registrants of existing stocks for a suspended registration when a section 3(c)(2)(B) data request is outstanding would generally not be consistent with the Act's purposes. Accordingly, the Agency anticipates granting registrants permission to sell, distribute, or use existing stocks of suspended product(s) only in exceptional circumstances. If you believe such disposition of existing stocks of your product(s) which may be suspended for failure to comply with this Notice should be permitted, you have the burden of clearly demonstrating to EPA that granting such permission would be consistent with the Act. You must also explain why an "existing stocks" provision is necessary, including a statement of the

quantity of existing stocks and your estimate of the time required for their sale, distribution, and use. Unless you meet this burden the Agency will not consider any request pertaining to the continued sale, distribution, or use of your existing stocks after suspension.

If you request a voluntary cancellation of your product(s) as a response to this Notice and your product is in full compliance with all Agency requirements, you will have, under most circumstances, one year from the date your 90 day response to this Notice is due, to sell, distribute, or use existing stocks. Normally, the Agency will allow persons other than the registrant such as independent distributors, retailers and end users to sell, distribute or use such existing stocks until the stocks are exhausted. Any sale, distribution or use of stocks of voluntarily cancelled products containing an active ingredient for which the Agency has particular risk concerns will be determined on case-by-case basis.

Requests for voluntary cancellation received after the 90 day response period required by this Notice will not result in the Agency granting any additional time to sell, distribute, or use existing stocks beyond a year from the date the 90 day response was due unless you demonstrate to the Agency that you are in full compliance with all Agency requirements, including the requirements of this Notice. For example, if you decide to voluntarily cancel your registration six months before a 3 year study is scheduled to be submitted, all progress reports and other information necessary to establish that you have been conducting the study in an acceptable and good faith manner must have been submitted to the Agency, before EPA will consider granting an existing stocks provision.

SECTION V. REGISTRANTS' OBLIGATION TO REPORT POSSIBLE UNREASONABLE ADVERSE EFFECTS

Registrants are reminded that FIFRA section 6(a)(2) states that if at any time after a pesticide is registered a registrant has additional factual information regarding unreasonable adverse effects on the environment by the pesticide, the registrant shall submit the information to the Agency. Registrants must notify the Agency of any factual information they have, from whatever source, including but not limited to interim or preliminary results of studies, regarding unreasonable adverse effects on man or the environment. This requirement continues as long as the products are registered by the Agency.

SECTION VI. INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the requirements and procedures established by this Notice, call the contact person(s) listed in Attachment 1, the Data Call-In Chemical Status Sheet.

All responses to this Notice (other than voluntary cancellation requests and generic data exemption claims) must include a completed Data Call-In Response Form and a completed Requirements Status and Registrant's Response Form (Attachment 2 and Attachment 3 for product specific data) and any other documents required by this Notice, and should be submitted to the contact person(s) identified in Attachment 1. If the voluntary cancellation or generic data exemption option is chosen, only the Data Call-In Response Form need be submitted.

The Office of Compliance Monitoring (OCM) of the Office of Pesticides and Toxic Substances (OPTS), EPA, will be monitoring the data being generated in response to this Notice.

Sincerely yours,

Daniel M. Barolo, Director
Special Review and
Reregistration Division

Attachments

1 - Data Call-In Chemical Status Sheet
2 - Product-Specific Data Call-In Response Form
3 - Requirements Status and Registrant's Response Form
4 - EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration
5 - EPA Acceptance Criteria
6 - List of Registrants Receiving This Notice
7 - Cost Share and Data Compensation Forms, and Product Specific Data Report Form

Attachment 1. Chemical Status Sheet

MINERAL ACIDS DATA CALL-IN CHEMICAL STATUS SHEET

INTRODUCTION

You have been sent this Product Specific Data Call-In Notice because you have product(s) containing mineral acids.

This Product Specific Data Call-In Chemical Status Sheet, contains an overview of data required by this notice, and point of contact for inquiries pertaining to the reregistration of mineral acids. This attachment is to be used in conjunction with (1) the Product Specific Data Call-In Notice, (2) the Product Specific Data Call-In Response Form (Attachment B), (3) the Requirements Status and Registrant's Form (Attachment C), (4) EPA's Grouping of End[-]Use Products for Meeting Acute Toxicology Data Requirement (Attachment D), (5) the EPA Acceptance Criteria (Attachment E), (6) a list of registrants receiving this DCI (Attachment F) and (7) the Cost Share and Data Compensation Forms in replying to this mineral acids Product Specific Data Call[-]In (Attachment G). Instructions and guidance accompany each form.

DATA REQUIRED BY THIS NOTICE

The additional data requirements needed to complete the database for mineral acids are contained in the Requirements Status and Registrant's Response, Attachment C. The Agency has concluded that additional data on mineral acids are needed for specific products. These data are required to be submitted to the Agency within the time frame listed. These data are needed to fully complete the reregistration of all eligible mineral acids products.

INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the generic database of mineral acids, please contact Kathryn Scanlon at (703) 308-8178.

If you have any questions regarding the product specific data requirements and procedures established by this Notice, please contact Frank Rubis (703) 308-8184

All responses to this Notice for the Product Specific data requirements should be submitted to:

Accelerated Reregistration Branch, Chemical Review Manager Team 81
Product Reregistration Branch
Special Review and Reregistration Branch 7508W

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Office of Pesticide Programs
U.S. Environmental Protection Agency
Washington, D.C. 20460

RE: **Mineral Acids**

Attachment 2. Product Specific Data Call-In Response Forms (Form A inserts) Plus Instructions

INSTRUCTIONS FOR COMPLETING THE "DATA CALL-IN RESPONSE" FORM FOR PRODUCT SPECIFIC DATA

Item 1-4. Already completed by EPA.

Item 5. If you wish to voluntarily cancel your product, answer "yes". If you choose this option, you will not have to provide the data required by the Data Call-In Notice and you will not have to complete any other forms. Further sale and distribution of your product after the effective date of cancellation must be in accordance with the Existing Stocks provision of the Data Call-In Notice (Section IV-C).

Item 6. Not applicable since this form calls in product specific data only. However, if your product is identical to another product and you qualify for a data exemption, you must respond with "yes" to Item 7a (MUP) or 7B (EUP) on this form, provide the EPA reregistration numbers of your source (s); you would not complete the requirements status and registrant's response" form. Examples of such products include repackaged products and Special Local Needs (Section 24c) products which are identical to federally registered products.

Item 7a. For each manufacturing use product (MUP) for which you wish to maintain registration, you must agree to satisfy the data requirements by responding "yes."

Item 7b. For each end use product (EUP) for which you wish to maintain registration, you must agree to satisfy the data requirements by responding "yes." if you are requesting a data waiver, answer "yes" here; in addition, on the "Requirements Status and Registrant's Response" form under Item 9, you must respond with option 7 (Waiver Request) for each study for which you are requesting a waiver. See item 6 with regard to identical products and data exemptions.

Items 8-11. Self-explanatory.

Note: You may provide additional information that does not fit on this form in a signed letter that accompanies this form. For example, you may wish to report that your product has already been transferred to another that you have already voluntarily cancelled this product. For these cases, please supply all relevant details so that EPA can ensure that its records are correct.

Attachment 3. Product Specific Requirement Status and Registrant's Response Forms (Form B inserts) and Instructions

INSTRUCTIONS FOR COMPLETING THE "REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE" FORM FOR PRODUCT SPECIFIC DATA

Item 1-3. Completed by EPA. Note the unique identifier number assigned by EPA in item 3. This number must be used in the transmittal document for any data submissions in response to this Data Call-In Notice.

Item 4. The guidelines reference numbers of studies required to support the product's continued registration are identified. These guidelines, in addition to the requirements specified in the Notice, govern the conduct of the required studies. Note that series 61 and 62 in product chemistry are now listed under 40 CFR 158.155 through 158.180, Subpart c.

Item 5. The study title associated with the guideline reference number is identified.

Item 6. The use patters (s) of the pesticide associated with the product specific requirements is (are) identified. For most product specific data requirements, all use patterns are covered by the data requirements. In the case of efficacy data, the required studies only pertain to products which have the use sites and/ or pests indicated.

Item 7. The substance to be tested is identified by EPA. For product specific data, the product as formulated for sale and distribution is the test substance, except in rare cases.

Item 8. The due date for submission of each study is identified. It is normally based on 8 months after issuance of the Reregistration Eligibility Documents unless EPA determines that a longer time period is necessary.

Item 9. Enter Only one of the following response codes for each data requirement to show how you intend to comply with the data requirements listed in this table. Fuller descriptions of each option are contained in the Data Call-In Notice.

1. I will generate and submit data by the specified due date (Developing Data). By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to the conditions for submittal of this study as outlined in the Data Call-In Notice.

2. I have entered into an agreement with one or more registrants to develop data jointly (Cost Sharing). I am submitting a copy of this agreement. I understand that this option is available on for acute toxicity or certain efficacy data and only if EPA indicates in an attachment to this notice that my product is similar. Enough to another product to qualify for this option. I certify that another party in the agreement is committing to submit or provide the required data; if the required study is not submitted on time, my product my be subject to suspension.

3. I have made offers to share in the cost to develop data (Offers to Cost Share).

I understand that this option is available only for acute toxicity or certain efficacy data and only if EPA indicates in an attachment to this Data Call-In Notice that my product is similar enough to another product to qualify for this option. I am submitting evidence that I have made an offer to another registrant (who has an obligation to submit data) to share in the cost of that data. I am also submitting a completed " Certification of offer to Cost Share in the Development Data" form. I am including a copy of my offer and proof of the other registrant's receipt of that offer. I am identifying the party which is committing to submit or provide the require data; if the required study is not submitted on time, my product may be subject to suspension. I understand that other terms under Option 3 in the Data Call-In Notice (Section III-C.1.) apply as well.

4. By the specified due date, I will submit an existing study that has not been submitted previously to the Agency by anyone (submitting an Existing Study). I certify that this study will meet all the requirements for submittal of existing data outlined in option 4 in the Data Call-In Notice (Section III-C.1.) and will meet the attached acceptance criteria (for acute toxicity and product chemistry data). I will attach the needed supporting information along with this response. I also certify that I have determined that this study will fill the data requirement for which I have indicated this choice.

5. By the specified due date, I will submit or cite data to upgrade a study classified by the Agency as partially acceptable and upgrade (upgrading a study). I will submit evidence of the Agency's review indicating that the study may be upgraded and what information is required to do so. I will provide the MRID or Accession number of the study at the due date. I understand that the conditions for this Option outlined Option 5 in the Data Call-In Notice (Section III-C.1.) apply.

6. By the specified due date, I will cite an existing study that the Agency has classified as acceptable or an existing study that has been submitted but not reviewed by the Agency (Citing an Existing Study). If I am citing another registrant's study, I understand that this option is available only for acute toxicity or certain efficacy data and only if the cited study was conducted on my product, an identical product or a product which EPA has "grouped" with one or more other products for purposes of depending on the same data. I may also choose this option if I am citing my own data. In either case, I will provide the MRID or Accession number (s) number (s) for the cited data on a "Product Specific Data Report" form or in a similar format. If I cite another registratrant's data, I will submit a completed "Certification With Respect To Data Compensation Requirements" form.

7. I request a waiver for this study because it is inappropriate for my product (Waiver Request). I am attaching a complete justification for this request, including technical reasons, data and references to relevant EPA regulations, guidelines or policies. [Note: any supplemental data must be submitted in the format required by P.R. Notice 86-5]. I understand that this is my only opportunity to state the reasons or provide information in support of my request. If the Agency approves my waiver

request, I will not be require to supply the data pursuant to Section 3(c) (2) (B) of FIFRA. If the Agency denies my waiver request, I must choose a method of meeting the data requirements of this Notice by the due date stated by this Notice. In this case, I must, within 30 days of my receipt of the Agency's written decision, submit a revised "Requirements Status chosen. I also understand that the deadline for submission of data as specified by the original data cal-in notice will not change.

Items 10-13. Self-explanatory.

NOTE: You may provide additional information that does not fit on this form in a signed letter that accompanies this form. For example, you may wish to report that your product has already been transferred to another company or that you have already voluntarily cancelled this product. For these cases, please supply all relevant details so that EPA can ensure that its records are correct.

Attachment 4. EPA Batching of End-Use Products for Meeting Data Requirements for Reregistration

EPA'S BATCHING OF MINERAL ACID PRODUCTS FOR MEETING ACUTE TOXICITY DATA REQUIREMENTS FOR REREGISTRATION

In an effort to reduce the time, resources and number of animals needed to fulfill the acute toxicity data requirements for reregistration of products containing mineral acids (phosphoric acid, hydrogen chloride, sodium bisulfate and sulfuric acid) as the active ingredient, the Agency has batched products which can be considered similar for purposes of acute toxicity. Factors considered in the sorting process include each product's active and inert ingredients (identity, percent composition and biological activity), type of formulation (e.g., emulsifiable concentrate, aerosol, wettable powder, granular, etc.), and labeling (e.g., signal word, use classification, precautionary labeling, etc.). Note that the Agency is not describing batched products as "substantially similar" since some products within a batch may not be considered chemically similar or have identical use patterns.

Using available information, batching has been accomplished by the process described in the preceding paragraph. Notwith-standing the batching process, the Agency reserves the right to require, at any time, acute toxicity data for an individual product should the need arise.

Registrants of products within a batch may choose to cooperatively generate, submit or cite a single battery of six acute toxicological studies to represent all the products within that batch. It is the registrants' option to participate in the process with all other registrants, only some of the other registrants, or only their own products within a batch, or to generate all the required acute toxicological studies for each of their own products. If a registrant chooses to generate the data for a batch, he/she must use one of the products within the batch as the test material. If a registrant chooses to rely upon previously submitted acute toxicity data, he/she may do so provided that the data base is complete and valid by today's standards (see acceptance criteria attached), the formulation tested is considered by EPA to be similar for acute toxicity, and the formulation has not been significantly altered since submission and acceptance of the acute toxicity data. Regardless of whether new data is generated or existing data is referenced, registrants must clearly identify the test material by EPA Registration Number. If more than one confidential statement of formula (CSF) exists for a product, the registrant must indicate the formulation actually tested by identifying the corresponding CSF.

In deciding how to meet the product specific data requirements, registrants must follow the directions given in the Data Call-In Notice and its attachments appended to the RED. The DCI Notice contains two response forms which are to be completed and submitted to the Agency within 90 days of receipt. The first form, "Data Call-In Response," asks whether the registrant will meet the data requirements for each product. The second form, "Requirements Status and Registrant's Response," lists the product specific data required for each product, including the standard six acute toxicity tests. A registrant who wishes to participate in a batch must decide whether he/she will provide the data or depend on someone else to do so. If a registrant supplies the data to support a batch of products, he/she must select one of the following options: Developing Data (Option 1), Submitting an Existing Study (Option 4), Upgrading an Existing Study (Option 5) or Citing an Existing Study (Option 6). If a registrant depends on another's data, he/she must choose among: Cost Sharing (Option 2), Offers to Cost Share (Option 3) or Citing an Existing Study (Option 6). If a registrant does not want to participate in a batch, the

choices are Options 1, 4, 5 or 6. However, a registrant should know that choosing not to participate in a batch does not preclude other registrants in the batch from citing his/her studies and offering to cost share (Option 3) those studies.

Two hundred and seven products were found which contain mineral acids as the active ingredient. The products have been placed into twenty-two batches and a "no batch" category in accordance with the active and inert ingredients, type of formulation and current labeling. Tables 1-4 identify the products in each batch. Table 5 lists the products which have been placed in the "no batch" category.

Table 1

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
1	1124-69	Phosphoric acid 20.5 Ammonium chloride 0.25	Liq
	4170-40	Phosphoric acid 20.0 Ammonium chloride 0.05	Liq
	4170-53	Phosphoric acid 20.0 Ammonium chloride 0.05	Liq
	5741-3	Phosphoric acid 25.0 Ammonium chloride 0.05	Liq
	7378-12	Phosphoric acid 16.0 Ammonium chloride 0.21	Liq
	8155-7	Phosphoric acid 20.0 Ammonium chloride 0.1	Liq
	10292-18	Phosphoric acid 20.0 Ammonium chloride 0.1	Liq
2	1072-10	Phosphoric acid 30.0 Ammonium chloride 10.0	Liq
	3640-66	Phosphoric acid 30.0 Ammonium chloride 10.0	Liq
	4524-27	Phosphoric acid 30.0 Ammonium chloride 10.0	Liq
	11715-35	Phosphoric acid 30.0 Ammonium chloride 10.0	Liq
3	1072-18	Phosphoric acid 6.8 Nonylphenoxypolyethoxy-ethanol iodine complex 1.75	Liq
	1839-153	Phosphoric acid 5.9 Nonylphenoxypolyethoxy-ethanol iodine complex 1.75	Liq
	3862-18	Phosphoric acid 9.0 Nonylphenoxypolyethoxy-ethanol iodine complex 1.75	Liq
	4524-41	Phosphoric acid 8.0 Nonylphenoxypolyethoxy-ethanol iodine complex 1.75	Liq
	4875-10	Phosphoric acid 6.5 Nonylphenoxypolyethoxy-ethanol iodine complex 1.6	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
	7546-13	Phosphoric acid 7.0 Butoxypolypropoxypolyethoxy-ethanol-iodine complex 16.0	Liq
	8616-7	Phosphoric acid 6.0 Nonylphenoxypolyethoxy-ethanol iodine complex 9.2	Liq
	8781-4	Phosphoric acid 6.5 Nonylphenoxypolyethoxy-ethanol iodine complex 18.6	Liq
	9152-20	Phosphoric acid 6.0 Nonylphenoxypolyethoxy-ethanol iodine complex 1.75	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
4	527-121	Phosphoric acid 16.0 Nonylphenoxypolyethoxyethanol-iodine complex 18.0	Liq
	875-112	Phosphoric acid 12.0 Nonylphenoxypolyethoxyethanol-iodine complex 8.75	Liq
	1677-138	Phosphoric acid 15.0 Nonylphenoxypolyethoxyethanol-iodine complex 1.75	Liq
	3276-18	Phosphoric acid 13.5 Alkyl-omega-hydroxypoly(oxyethylene)-iodine complex 15.7	Liq
	4462-9	Phosphoric acid 16.0 Nonylphenoxypolyethoxyethanol-iodine complex 6.4 Octylphenoxypolyethoxyethanol-iodine complex 12.6	Liq
	4524-30	Phosphoric acid 16.0 Nonylphenoxypolyethoxyethanol-iodine complex 1.75	Liq
	6931-2	Phosphoric acid 15.0 Nonylphenoxypolyethoxyethanol-iodine complex 20.0	Liq
	10634-15	Phosphoric acid 16.0 Nonylphenoxypolyethoxyethanol-iodine complex 1.75	Liq
	25293-1	Phosphoric acid 16.0 Nonylphenoxypolyethoxyethanol-iodine complex 18.0	Liq
	50600-3	Phosphoric acid 16.0 Nonylphenoxypolyethoxyethanol-iodine complex 18.0	Liq
5	1622-33	Phosphoric acid 2.5 Nonylphenoxypolyethoxyethanol-iodine complex 1.4	Liq
	1769-244	Phosphoric acid 3.4 Nonylphenoxypolyethoxyethanol-iodine complex 9.0	Liq
6	875-136	Phosphoric acid 56.2 Dodecylbenzene sulfonic acid 3.4	Liq
	875-137	Phosphoric acid 54.0 Dodecylbenzene sulfonic acid 4.5 Isopropanol 10.0	Liq
7	833-58	Phosphoric acid 30.0 Dodecylbenzene sulfonic acid 5.0	Liq
	875-85	Phosphoric acid 30.0 Dodecylbenzene sulfonic acid 5.0	Liq
	5870-34	Phosphoric acid 30.0 Dodecylbenzene sulfonic acid 5.2	Liq
	34859-6	Phosphoric acid 30.0 Dodecylbenzene sulfonic acid 5.0	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
8	1677-22	Phosphoric acid 6.5 Butoxypolypropoxypolyethoxy-ethanol-iodine complex 1.75	Liq
	1677-58	Phosphoric acid 6.5 Butoxypolypropoxypolyethoxy-ethanol-iodine complex 1.75	Liq
9	1677-150	Phosphoric acid 48.7 Dodecylbenzene sulfonic acid 17.4	Liq
	19713-299	Phosphoric acid 48.7 Dodecylbenzene sulfonic acid 17.4	Liq
10	1020-13	Phosphoric acid 21.0 Dodecylbenzene sulfonic acid 2.75	Liq
	1677-56	Phosphoric acid 22.0 Dodecylbenzene sulfonic acid 2.75	Liq
	2686-15	Phosphoric acid 20.0 Dodecylbenzene sulfonic acid 5.0 Isopropanol 1.0	Liq
	5174-11	Phosphoric acid 23.4 Dodecylbenzene sulfonic acid 3.17	Liq
	6931-4	Phosphoric acid 21.0	Liq
	7546-4	Phosphoric acid 20.0 Dodecylbenzene sulfonic acid 5.0	Liq
	9152-18	Phosphoric acid 22.5 Dodecylbenzene sulfonic acid 5.0	Liq
11	1769-228	Phosphoric acid 56.9 Dodecylbenzene sulfonic acid 10.7 Isopropanol 10.0	Liq
	4959-29	Phosphoric acid 50.0 Dodecylbenzene sulfonic acid 15.0	Liq
	45447-10	Phosphoric acid 57.0 Dodecylbenzene sulfonic acid 15.5 Isopropanol 8.5	Liq

Table 2

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
12	99-83	Hydrogen chloride 23.0 Ammonium chloride 0.05	Liq
	421-349	Hydrogen chloride 27.64 Ammonium chloride 0.2 o-benzyl p-chlorophenol 0.15	Liq
	421-350	Hydrogen chloride 25.82 Ammonium chloride 0.2 o-benzyl p-chlorophenol 1.0	Liq
	675-1	Hydrogen chloride 23.0 Ammonium chloride 0.05 o-benzyl p-chlorophenol 0.01	Liq
	675-8	Hydrogen chloride 19.0 Ammonium chloride 0.05	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
	1459-24	Hydrogen chloride 25.0 Ammonium chloride 0.22	Liq
	1622-35	Hydrogen chloride 23.0 Ammonium chloride 0.5	Liq
	1839-105	Hydrogen chloride 20.0 Ammonium chloride 1.5	Liq
	1839-148	Hydrogen chloride 23.0 Ammonium chloride 0.25	Liq
	3862-89	Hydrogen chloride 23.0 Ammonium chloride 0.75	Liq
	4170-52	Hydrogen chloride 23.0 Ammonium chloride 0.05	Liq
	5741-11	Hydrogen chloride 23.0 Ammonium chloride 0.05	Liq
	6836-84	Hydrogen chloride 20.3 Ammonium chloride 0.7	Liq
	7378-10	Hydrogen chloride 24.0 Ammonium chloride 0.21	Liq
	8155-3	Hydrogen chloride 23.0 Ammonium chloride 0.05	Liq
	8370-2	Hydrogen chloride 24.0 Ammonium chloride 0.25	Liq
	9367-5	Hydrogen chloride 24.7 Ammonium chloride 0.3	Liq
	10693-2	Hydrogen chloride 23.0 Ammonium chloride 0.2	Liq
	39272-2	Hydrogen chloride 27.64 Ammonium chloride 0.22	Liq
	48211-31	Hydrogen chloride 20.32 Ammonium chloride 0.75	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
13	334-361	Hydrogen chloride 9.0 Ammonium chloride 0.36	Liq
	421-339	Hydrogen chloride 9.49 Ammonium chloride 0.2	Liq
	675-34	Hydrogen chloride 8.0 Ammonium chloride 1.0	Liq
	777-29	Hydrogen chloride 9.5 Ammonium chloride 0.75	Liq
	1839-104	Hydrogen chloride 8.0 Ammonium chloride 1.0	Liq
	2230-56	Hydrogen chloride 9.5 Ammonium chloride 0.06	Liq
	4170-39	Hydrogen chloride 9.0 Ammonium chloride 0.05	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
	4170-54	Hydrogen chloride 9.0 Ammonium chloride 0.05	Liq
	4822-410	Hydrogen chloride 9.25 Ammonium chloride 0.6	Liq
	5664-18	Hydrogen chloride 9.6 Ammonium chloride 1.5	Liq
	6836-85	Hydrogen chloride 9.6 Ammonium chloride 0.75	Liq
	7378-3	Hydrogen chloride 7.5 Ammonium chloride 0.6	Liq
	8155-4	Hydrogen chloride 9.0 Ammonium chloride 0.05	Liq
	8325-27	Hydrogen chloride 8.0 Ammonium chloride 1.0	Liq
	8370-1	Hydrogen chloride 8.0 Ammonium chloride 0.25	Liq
	9367-36	Hydrogen chloride 9.6 Ammonium chloride 0.75	Liq
	11694-27	Hydrogen chloride 9.0 Ammonium chloride 0.2	Liq
	39272-3	Hydrogen chloride 9.49 Ammonium chloride 0.22	Liq
	48211-26	Hydrogen chloride 9.6 Ammonium chloride 0.75	Liq

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
14	47371-87	Hydrogen chloride 17.75 Ammonium chloride 1.44	Liq
	47371-172	Hydrogen chloride 16.5 Ammonium chloride 1.44	Liq
15	334-281	Hydrogen chloride 9.45	Liq
	4000-70	Hydrogen chloride 9.5	Liq
	4000-71	Hydrogen chloride 9.4	Liq
	8503-10	Hydrogen chloride 9.8	Liq
16	257-131	Hydrogen chloride 23.0	Liq
	303-61	Hydrogen chloride 23.0	Liq
	334-285	Hydrogen chloride 23.7	Liq
	491-103	Hydrogen chloride 24.0	Liq
	1203-25	Hydrogen chloride 23.0	Liq
	1270-29	Hydrogen chloride 23.0	Liq
	2155-30	Hydrogen chloride 24.0	Liq
	4000-69	Hydrogen chloride 23.0	Liq
	15567-1	Hydrogen chloride 23.0	Liq
17	2528-36	Hydrogen chloride 9.55 Ammonium chloride 0.2	Liq
	5741-17	Hydrogen chloride 9.5 Ammonium chloride 0.5	Liq
18	257-332	Hydrogen chloride 9.0 Ammonium chloride 1.2	Liq
	8155-6	Hydrogen chloride 9.5 Ammonium chloride 0.1	Liq

Table 3

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
19	777-50	Sodium bisulfate 62.0	Solid
	4822-407	Sodium bisulfate 62.0	Solid
20	475-191	Sodium bisulfate 62.0	Solid
	475-198	Sodium bisulfate 62.0	Solid
21	475-142	Sodium bisulfate 81.0	Solid
	475-177	Sodium bisulfate 75.0	Solid
	475-225	Sodium bisulfate 81.0	Solid

Table 4

Batch	EPA Reg. No.	% Active Ingredient	Formulation Type
22	567-8	Sulfuric acid 93.0	Solid
	57559-1	Sulfuric acid 93.0	Solid
	62589-1	Sulfuric acid 93.0	Solid
	65878-1	Sulfuric acid 93.0	Solid
	66602-1	Sulfuric acid 93.0	Solid
	67217-1	Sulfuric acid 93.0	Solid

The following table lists products that were either considered not to be similar or the Agency lacked sufficient information for decision making and were not placed in any batch. Registrants of these products are responsible for meeting the acute toxicity data requirements separately for each product.

Table 5 (No Batch)

EPA Reg. No.	% Active Ingredient	Formulation Type
52-111	Hydrogen chloride 0.11 Nonylphenoxypolyethoxyethanol-iodine complex 8.74 Polyethoxypolypropoxyethanol-iodine complex 9.1	Liq
150-61	Phosphoric acid 45.0 Dodecylbenzene sulfonic acid 10.6	Liq
334-303	Hydrogen chloride 9.5 Nonylphenoxypolyethoxyethanol-iodine complex 3.0	Liq
402-92	Hydrogen chloride 7.23 Phosphoric acid 24.75 Sulfamic acid 0.5 Ammonium chloride 1.5	Liq
421-237	Phosphoric acid Nonylphenoxypolyethoxyethanol-iodine complex 0.875	Liq
421-391	Phosphoric acid 25.0	Liq
475-69	Hydrogen chloride 7.0 Oxalic acid 2.0	Liq
475-195	Sodium bisulfate 68.0	Solid
475-196	Sodium bisulfate 50.0	Solid
475-199	Hydrogen chloride 7.0 Ammonium chloride 0.2	Liq
475-250	Hydrogen chloride 8.35	Liq
550-152	Phosphoric acid 30.0 Ammonium chloride 10.0	Liq
602-294	Phosphoric acid 9.0 Nonylphenoxypolyethoxyethanol-iodine complex 27.6	Liq
675-39	Phosphoric acid 0.85 Hydrogen peroxide 6.0	Liq

EPA Reg. No.	% Active Ingredient	Formulation Type
833-65	Phosphoric acid 15.0 Sulfonated oleic acid 5.0	Liq
833-66	Phosphoric acid 6.5 Nonylphenoxypolyethoxyethanol-iodine complex 1.75	Liq
875-88	Hydrogen chloride 5.48 Phosphoric acid 5.2 Iodine 1.75	Liq
875-90	Phosphoric acid 15.0	Liq
875-96	Phosphoric acid 15.75 Iodine 1.75	Liq
875-97	Phosphoric acid 18.75 Iodine 1.75	Liq
875-100	Phosphoric acid 59.8	Liq
875-115	Phosphoric acid 0.632 Nonylphenoxypolyethoxyethanol-iodine complex 17.6	Liq
875-153	Hydrogen chloride 4.71 Phosphoric acid 22.5	Liq
875-156	Phosphoric acid 6.0 Nonylphenoxypolyethoxyethanol-iodine complex 16.7 Potassium iodide 2.0	Liq
875-157	Hydrogen chloride 12.58 Phosphoric acid 4.49	Liq
875-168	Phosphoric acid 6.75 Iodine 1.76	Liq
1270-204	Hydrogen chloride 5.5 Phosphoric acid 22.5	Liq
1317-68	Phosphoric acid 22.0 Nonylphenoxypolyethoxyethanol-iodine complex 18.0	Liq
1677-89	Phosphoric acid 25.0 Polyethoxypolypropoxyethanol-iodine complex 3.5	Liq
1677-90	Phosphoric acid 23.8 Citric acid 20.0	Liq
1677-95	Phosphoric acid 25.5	Liq
1677-100	Phosphoric acid 17.4	Liq
1677-132	Phosphoric acid 29.3 Polyethoxypolypropoxyethanol-iodine complex 4.3	Liq
1677-152	Phosphoric acid 37.5	Liq
1769-161	Hydrogen chloride 18.5 Ammonium chloride 1.5	Liq
1839-60	Phosphoric acid 8.5 Ammonium chloride 1.0	Liq
1913-12	Hydrogen chloride 9.25 Ammonium chloride 0.6	Liq

EPA Reg. No.	% Active Ingredient	Formulation Type
2230-43	Hydrogen chloride 10.4 Ammonium chloride 0.42	Liq
2230-55	Phosphoric acid 14.62 Ammonium chloride 0.2	Liq
2230-58	Hydrogen chloride 23.9 Ammonium chloride 0.45	Liq
2344-4	Phosphoric acid 25.73 Dodecylbenzene sulfonic acid 3.36	Liq
3573-26	Hydrogen chloride 15.0 Phosphoric acid 6.0 Ammonium chloride 1.0	Liq
3862-119	Phosphoric acid 20.0 Ammonium chloride 0.05	Liq

EPA Reg. No.	% Active Ingredient	Formulation Type
4000-91	Hydrogen chloride 8.0 Ammonium chloride 2.5	Liq
4524-22	Phosphoric acid 45.0	Liq
4822-54	Hydrogen chloride 14.4	Liq
4822-408	Sodium bisulfate 75.0	Solid
4822-409	Sodium bisulfate 81.0	Solid
4959-9	Phosphoric acid 40.0 Iodine 1.6	Liq
4959-21	Phosphoric acid 11.5 Nonylphenoxypolyethoxyethanol-iodine complex 1.75	Liq
4959-23	Phosphoric acid 15.95 Nonylphenoxypolyethoxyethanol-iodine complex 1.75	Liq
4959-36	Phosphoric acid 24.7 Polyethoxypolypropoxyethanol-iodine complex 3.5	Liq
4959-41	Phosphoric acid 8.5 Sulfuric acid 9.5 Propionic acid 10.0 Nonanoic acid 3.0	Liq
4959-42	Phosphoric acid 28.5 Nonanoic acid 3.0 Propionic acid 10.0	Liq
5197-34	Hydrogen chloride 23.83 Ammonium chloride 0.08	Liq
5389-12	Phosphoric acid 11.25 Dodecylbenzene sulfonic acid 1.0	Liq
5741-23	Phosphoric acid 12.0 Ammonium chloride 0.5	Liq
5813-13	Hydrogen chloride 8.0 Ammonium chloride 0.5	Liq

EPA Reg. No.	% Active Ingredient	Formulation Type
5991-31	Phosphoric acid 45.0 Dodecylbenzene sulfonic acid 13.73	Liq
6718-21	Sodium bisulfate 74.4	Solid
6836-39	Hydrogen chloride 8.0 Ammonium chloride 2.5	Liq
6836-42	Hydrogen chloride 17.5 Ammonium chloride 2.5	Liq
7546-5	Phosphoric acid 15.0 Ammonium chloride 5.0	Liq
8155-19	Hydrogen chloride 14.5 Ammonium chloride 0.1	Liq
8370-4	Phosphoric acid 18.75 Ammonium chloride 0.25	Liq
8503-6	Hydrogen chloride 23.0 Ammonium chloride 0.06	Liq
10292-10	Hydrogen chloride 9.5 Ammonium chloride 0.6	Liq
10292-20	Phosphoric acid 2.0	Solid
10693-9	Hydrogen chloride 6.0 Phosphoric acid 10.0 Nonylphenoxypolyethoxyethanol-iodine complex 6.4	Liq
10807-105	Hydrogen chloride 9.5 Octylphenoxypolyethoxyethanol-iodine complex 3.0	Liq
10807-139	Hydrogen chloride 9.6 Ammonium chloride 0.75	Liq
11292-3	Hydrogen chloride 21.8 Oxalic acid 1.2	Liq
13215-1	Phosphoric acid 45.0 Ammonium chloride 5.0	Liq
13215-3	Hydrogen chloride 18.0 Ammonium chloride 4.0	Liq
15567-4	Hydrogen chloride 8.5	Liq
15567-5	Hydrogen chloride 8.5	Liq
15567-8	Hydrogen chloride 14.5	Liq
35495-14	Phosphoric acid 30.0 Dodecylbenzene sulfonic acid 25.6	Liq
35900-10	Phosphoric acid 75.5	Liq
35900-11	Phosphoric acid 0.13	Liq
47371-86	Hydrogen chloride 8.16 Ammonium chloride 1.44	Liq
47371-150	Hydrogen chloride 9.45 Ammonium chloride 1.44	Liq
57125-5	Hydrogen chloride 14.5 Ammonium chloride 0.1	Liq

EPA Reg. No.	% Active Ingredient	Formulation Type
61181-1	Phosphoric acid 6.8 Iodine 1.75	Liq

Attachment 5. EPA Acceptance Criteria

SUBDIVISION D

Guideline	Study Title
Series 61	Product Identity and Composition
Series 62	Analysis and Certification of Product Ingredients
Series 63	Physical and Chemical Characteristics

61 Product Identity and Composition

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Name of technical material tested (include product name and trade name, if appropriate).

2.____ Name, nominal concentration, and certified limits (upper and lower) for each active ingredient and each intentionally-added inert ingredient.

3.____ Name and upper certified limit for each impurity or each group of impurities present at $\geq$ 0.1% by weight and for certain toxicologically significant impurities (e.g., dioxins, nitrosamines) present at <0.1%.

4.____ Purpose of each active ingredient and each intentionally-added inert.

5.____ Chemical name from Chemical Abstracts index of Nomenclature and Chemical Abstracts Service (CAS) Registry Number for each active ingredient and, if available, for each intentionally-added inert.

6.____ Molecular, structural, and empirical formulas, molecular weight or weight range, and any company assigned experimental or internal code numbers for each active ingredient.

7.____ Description of each beginning material in the manufacturing process.

____ EPA Registration Number if registered; for other beginning materials, the following:

____ Name and address of manufacturer or supplier.
____ Brand name, trade name or commercial designation.
____ Technical specifications or data sheets by which manufacturer or supplier describes composition, properties or toxicity.

8.____Description of manufacturing process.

____ Statement of whether batch or continuous process.
____ Relative amounts of beginning materials and order in which they are added.
____ Description of equipment.
____ Description of physical conditions (temperature, pressure, humidity) controlled in each step and the parameters that are maintained.
____ Statement of whether process involves intended chemical reactions.
____ Flow chart with chemical equations for each intended chemical reaction.
____ Duration of each step of process.
____ Description of purification procedures.
____ Description of measures taken to assure quality of final product.

9.____ Discussion of formation of impurities based on established chemical theory addressing (1) each impurity which may be present at $\geq$ 0.1% or was found at $\geq$ 0.1% by product analyses and (2) certain toxicologically significant impurities (see #3).

ACCEPTANCE CRITERIA

The following criteria apply to the technical grade of the active ingredient being reregistered. Use a table to present the information in items 6, 7, and 8.

Does your study meet the following acceptance criteria?

1.____ Five or more representative samples (batches in case of batch process) analyzed for each active ingredient and all impurities present at $\geq$ 0.1%.
2.____ Degree of accountability or closure $\geq$ ca 98%.
3.____ Analyses conducted for certain trace toxic impurities at lower than 0.1% (examples, nitrosamines in the case of products containing dinitroanilines or containing secondary or tertiary amines/alkanolamines plus nitrites; polyhalogenated dibenzodioxins and dibenzofurans). [Note that in the case of nitrosamines both fresh and stored samples must be analyzed.].
4.____ Complete and detailed description of each step in analytical method used to analyze above samples.
5.____ Statement of precision and accuracy of analytical method used to analyze above samples.
6.____ Identities and quantities (including mean and standard deviation) provided for each analyzed ingredient.
7.____ Upper and lower certified limits proposed for each active ingredient and intentionally added inert along with explanation of how the limits were determined.
8.____ Upper certified limit proposed for each impurity present at $\geq$ 0.1% and for certain toxicologically significant impurities at <0.1% along with explanation of how limit determined.
9.____ Analytical methods to verify certified limits of each active ingredient and impurities (latter not required if exempt from requirement of tolerance or if generally recognized as safe by FDA) are fully described.
10.____ Analytical methods (as discussed in #9) to verify certified limits validated as to their precision and accuracy.

63 Physical and Chemical Characteristics

ACCEPTANCE CRITERIA

The following criteria apply to the technical grade of the active ingredient being reregistered.

Does your study meet the following acceptance criteria?

63-2 Color

____ Verbal description of coloration (or lack of it)
____ Any intentional coloration also reported in terms of Munsell color system

63-3 Physical State

____ Verbal description of physical state provided using terms such as "solid, granular, volatile liquid"
____ Based on visual inspection at about 20-25° C

63-4 Odor

____ Verbal description of odor (or lack of it) using terms such as "garlic-like, characteristic of aromatic compounds"
____ Observed at room temperature

63-5 Melting Point

____ Reported in °C
____ Any observed decomposition reported

63-6 Boiling Point

____ Reported in °C
____ Pressure under which B.P. measured reported
____ Any observed decomposition reported

63-7 Density, Bulk Density, Specific Gravity

____ Measured at about 20-25° C
____ Density of technical grade active ingredient reported in g/ml <u>or</u> the specific gravity of liquids reported with reference to water at 20° C. [Note: <u>Bulk</u> density of registered products may be reported in lbs/ft^3 or lbs/gallon.]

63-8 Solubility

____ Determined in distilled water and representative polar and non-polar solvents, including those used in formulations and analytical methods for the pesticide
____ Measured at about 20-25° C
____ Reported in g/100 ml (other units like ppm acceptable if sparingly soluble)

63-9 Vapor Pressure

____ Measured at 25° C (or calculated by extrapolation from measurements made at higher temperature if pressure too low to measure at 25° C)
____ Experimental procedure described
____ Reported in mm Hg (torr) or other conventional units

63-10 Dissociation Constant

____ Experimental method described

____ Temperature of measurement specified (preferably about 20-25°C)

63-11 Octanol/water Partition Coefficient

____ Measured at about 20-25° C

____ Experimentally determined and description of procedure provided (preferred method-45 Fed. Register 77350)

____ Data supporting reported value provided

63-12 pH

____ Measured at about 20-25° C

____ Measured following dilution or dispersion in distilled water

63-13 Stability

____ Sensitivity to metal ions and metal determined

____ Stability at normal and elevated temperatures

____ Sensitivity to sunlight determined

SUBDIVISION F

Guideline	Study Title
81-1	Acute Oral Toxicity in the Rat
81-2	Acute Dermal Toxicity in the Rat, Rabbit or Guinea Pig
81-3	Acute Inhalation Toxicity in the Rat
81-4	Primary Eye Irritation in the Rabbit
81-5	Primary Dermal Irritation Study
81-6	Dermal Sensitization in the Guinea Pig

81-1 Acute Oral Toxicity in the Rat

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc).
2.____ At least 5 young adult rats/sex/group.
3.____ Dosing, single oral may be administered over 24 hrs.
4.*___ Vehicle control if other than water.
5.____ Doses tested, sufficient to determine a toxicity category or a limit dose (5000 mg/kg).
6.____ Individual observations at least once a day.
7.____ Observation period to last at least 14 days, or until all test animals appear normal whichever is longer.
8.____ Individual daily observations.
9.____ Individual body weights.
10.____ Gross necropsy on all animals.

Criteria marked with an * are supplemental and may not be required for every study.

81-2 Acute Dermal toxicity in the Rat, Rabbit or Guinea Pig

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1._____ Identify material tested (technical, end-use product, etc).
2._____ At least 5 animals/sex/group.
3.*____ Rats 200-300 gm, rabbits 2.0-3.0 kg or guinea pigs 350-450 gm.
4._____ Dosing, single dermal.
5._____ Dosing duration at least 24 hours.
6.*____ Vehicle control, only if toxicity of vehicle is unknown.
7._____ Doses tested, sufficient to determine a toxicity category or a limit dose (2000 mg/kg).
8._____ Application site clipped or shaved at least 24 hours before dosing.
9._____ Application site at least 10% of body surface area.
10._____ Application site covered with a porous nonirritating cover to retain test material and to prevent ingestion.
11._____ Individual observations at least once a day.
12._____ Observation period to last at least 14 days.
13._____ Individual body weights.
14._____ Gross necropsy on all animals.

Criteria marked with an * are supplemental and may not be required for every study.

81-3 Acute Inhalation Toxicity in the Rat

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc).
2.____ Product is a gas, a solid which may produce a significant vapor hazard based on toxicity and expected use or contains particles of inhalable size for man (aerodynamic diameter 15 μm or less).
3.____ At least 5 young adult rats/sex/group.
4.____ Dosing, at least 4 hours by inhalation.
5.____ Chamber air flow dynamic, at least 10 air changes/hour, at least 19% oxygen content.
6.____ Chamber temperature, 22° C ($\pm$2°), relative humidity 40-60%.
7.____ Monitor rate of air flow.
8.____ Monitor actual concentrations of test material in breathing zone.
9.____ Monitor aerodynamic particle size for aerosols.
10.___ Doses tested, sufficient to determine a toxicity category or a limit dose (5 mg/L actual concentration of respirable substance).
11.___ Individual observations at least once a day.
12.___ Observation period to last at least 14 days.
13.___ Individual body weights.
14.___ Gross necropsy on all animals.

81-4 Primary Eye Irritation in the Rabbit

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc).
2.____ Study not required if material is corrosive, causes severe dermal irritation or has a pH of ≤ 2 or ≥ 11.5.
3.____ 6 adult rabbits.
4.____ Dosing, instillation into the conjunctival sac of one eye per animal.
5.____ Dose, 0.1 ml if a liquid; 0.1 ml or not more than 100 mg if a solid, paste or particulate substance.
6.____ Solid or granular test material ground to a fine dust.
7.____ Eyes not washed for at least 24 hours.
8.____ Eyes examined and graded for irritation before dosing and at 1, 24, 48 and 72 hr, then daily until eyes are normal or 21 days (whichever is shorter).
9.*___ Individual daily observations.

Criteria marked with an * are supplemental and may not be required for every study.

81-5 Primary Dermal Irritation Study

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc).
2.____ Study not required if material is corrosive or has a pH of ≤ 2 or ≥ 11.5.
3.____ 6 adult animals.
4.____ Dosing, single dermal.
5.____ Dosing duration 4 hours.
6.____ Application site shaved or clipped at least 24 hours prior to dosing.
7.____ Application site approximately 6 cm^2.
8.____ Application site covered with a gauze patch held in place with nonirritating tape.
9.____ Material removed, washed with water, without trauma to application site.
10.___ Application site examined and graded for irritation at 1, 24, 48 and 72 hr, then daily until normal or 14 days (whichever is shorter).
11.*__ Individual daily observations.

Criteria marked with an * are supplemental and may not be required for every study.

81-6 Dermal Sensitization in the Guinea Pig

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.___ Identify material tested (technical, end-use product, etc).
2.___ Study not required if material is corrosive or has a pH of ≤ 2 or ≥ 11.5.
3.___ One of the following methods is utilized:
  _____ Freund's complete adjuvant test
  _____ Guinea pig maximization test
  _____ Split adjuvant technique
  _____ Buehler test
  _____ Open epicutaneous test
  _____ Mauer optimization test
  _____ Footpad technique in guinea pig.
4.___ Complete description of test.
5.*__ Reference for test.
6.___ Test followed essentially as described in reference document.
7.___ Positive control included (may provide historical data conducted within the last 6 months).

Criteria marked with an * are supplemental and may not be required for every study.

Attachment 6. List of All Registrants Sent This Data Call-In (insert) Notice

Attachment 7. Cost Share Data Compensation Form, and Confidential Statement of Formula Form

Confidential Business Information: Does Not Contain National Security Information (E.O. 12065) Form Approved. OMB No. 2070-0060. Approval Expires 2/28/94

EPA

United States Environmental Protection Agency
Office of Pesticide Programs (TS-767)
Washington, DC 20460

Confidential Statement of Formula

A. ☐ Basic Formulation ☐ Alternate Formulation

B. Page of

See Instructions on Back

1. Name and Address of Applicant/Registrant *(Include ZIP Code)*

2. Name and Address of Producer *(Include ZIP Code)*

3. Product Name

4. Registration No./File Symbol

5. EPA Product Mgr/Team No.

6. Country Where Formulated

7. Pounds/Gal or Bulk Density

8. pH

9. Flash Point/Flame Extension

EPA USE ONLY	10. Components in Formulation *(List as actually introduced into the formulation. Give commonly accepted chemical name, trade name, and CAS number.)*	11. Supplier Name & Address	12. EPA Reg. No.	13. Each Component in Formulation a. Amount	b. % by Weight	14. Certified Limits % by Weight a. Upper Limit	b. Lower Limit	15. Purpose in Formulation

16. Typed Name of Approving Official

17. Total Weight 100%

18. Signature of Approving Official

19. Title

20. Phone No. *(Include Area Code)*

21. Date

EPA Form 8570-4 (Rev. 12-90) Previous editions are obsolete. If you can photocopy this, please submit an additional copy. White - EPA File Copy (original) Yellow - Applicant copy

Instructions for Completing the Confidential Statement of Formula

The Confidential Statement of Formula (CSF) Form 8570-4 must be used. Two legible, signed copies of the form are required. Following are basic instructions:

a. All the blocks on the form must be filled in and answered completely.

b. If any block is not applicable, mark it N/A.

c. The CSF must be signed, dated and the telephone number of the responsible party must be provided.

d. All applicable information which is on the product specific data submission must also be reported on the CSF.

e. All weights reported under item 7 must be in pounds per gallon for liquids and pounds per cubic feet for solids.

f. Flashpoint must be in degrees Fahrenheit and flame extension in inches.

g. For all active ingredients, the EPA Registration Numbers for the currently registered source products must be reported under column 12.

h. The Chemical Abstracts Service (CAS) Numbers for all actives and inerts and all common names for the trade names must be reported.

i. For the active ingredients, the percent purity of the source products must be reported under column 10 and must be exactly the same as on the source product's label.

j. All the weights in columns 13.a. and 13.b. must be in pounds, kilograms, or grams. In no case will volumes be accepted. Do not mix English and metric system units (i.e., pounds and kilograms).

k. All the items under column 13.b. must total 100 percent.

1. All items under columns 14.a. and 14.b. for the active ingredients must represent pure active form.

m. The upper and lower certified limits for ail active and inert ingredients must follow the 40 CFR 158.175 instructions. An explanation must be provided if the proposed limits are different than standard certified limits.

n. When new CSFs are submitted and approved, all previously submitted CSFs become obsolete for that specific formulation.

United States Environmental Protection Agency
Washington, DC 20460

CERTIFICATION WITH RESPECT TO DATA COMPENSATION REQUIREMENTS

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 3-31-96

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, DC 20460; and to the Office of Management and Budget, Paperwork Reduction Project (2070-0106), Washington, DC 20503.

Please fill in blanks below.

Company Name	Company Number
Product Name	EPA Reg. No.

I Certify that:

1. For each study cited in support of registration or reregistration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) that is an exclusive use study, I am the original data submitter, or I have obtained the written permission of the original data submitter to cite that study.

2. That for each study cited in support of registration or reregistration under FIFRA that is NOT an exclusive use study, I am the original data submitter, or I have obtained the written permission of the original data submitter, or I have notified in writing the company(ies) that submitted data I have cited and have offered to: (a) Pay compensation for those data in accordance with sections 3(c)(1)(D) and 3(c)(2)(D) of FIFRA; and (b) Commence negotiation to determine which data are subject to the compensation requirement of FIFRA and the amount of compensation due, if any. The companies I have notified are: (check one)

   [ ] The companies who have submitted the studies listed on the back of this form or attached sheets, or indicated on the attached "Requirements Status and Registrants' Response Form."

3. That I have previously complied with section 3(c)(1)(D) of FIFRA for the studies I have cited in support of registration or reregistration under FIFRA.

Signature	Date
Name and Title (Please Type or Print)	

GENERAL OFFER TO PAY: I hereby offer and agree to pay compensation to other persons, with regard to the registration or reregistration of my products, to the extent required by FIFRA sections 3(c)(1)(D) and 3(c)(2)(D).

Signature	Date
Name and Title (Please Type or Print)	

EPA Form 8570-31 (4-90)

APPENDIX A. MEMORANDUM OF UNDERSTANDING BETWEEN THE FOOD AND DRUG ADMINISTRATION, PUBLIC HEALTH SERVICE, DEPARTMENT OF HEALTH AND HUMAN SERVICES AND THE ENVIRONMENTAL PROTECTION AGENCY

Memorandum of Understanding
Between
The Food and Drug Administration, Public Health Service,
Department of Health and Human Services
and
The Environmental Protection Agency

Notice Regarding Matters of Mutual Responsibility - Regulation of Liquid Chemical Germicides Intended for Use on Medical Devices

I. PURPOSE

This Memorandum of Understanding (MOU) between the Food and Drug Administration (FDA) and the Environmental Protection Agency (EPA) clarifies jurisdiction between the two agencies in the regulation of certain liquid chemical germicides. These liquid chemical germicides are devices under the Federal Food, Drug, and Cosmetic Act (FD&C Act) and pesticides under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). This MOU also embodies the agreement of the two agencies to undertake certain rulemakings in order to eliminate duplicative regulation of certain types of liquid chemical germicides. This MOU includes the agencies' interim agreement to simplify and coordinate their regulatory and enforcement activities in shared areas of jurisdiction affecting these types of products pending the conclusion of these rulemakings.

II. STATUTORY AUTHORITIES

A. FDA Authorities

The FD&C Act grants FDA authority to regulate devices as defined in 21 U.S.C. §321(h). Under section 321(h), the term "device" includes an instrument, apparatus, implement, machine, contrivance, implant, in vitro reagent, or other similar or related article, including any component, part, or accessory that is intended to cure, mitigate, treat, or prevent disease in man, or is intended to affect the structure or any function of the body of man. Liquid chemical germicides intended for use in conjunction with a variety of articles that fit within the statutory definition of "device," such as operating instruments, medical examining tables, hospital scales, and other hospital equipment, also fall within the definition of "device", because they are considered accessories to these devices.

Unless liquid chemical germicides used in conjunction with devices were commercially distributed prior to May 28, 1976,[1] manufacturers of these products, under 21 U.S.C. §360(k) [section 510(k) of the FD&C Act] are required to submit a premarket notification to FDA before they market their products. Before these products can be legally marketed, FDA must grant marketing clearance by (1) issuance of an order in response to a section 510(k) submission which exempts the device from the FD&C Act's premarket approval requirements, or (2) approval of a premarket approval application. In granting marketing clearance by issuance of a section 510(k) order exempting a liquid chemical germicide from premarket approval, FDA must find that the device is "substantially equivalent," as the term is defined in 21 U.S.C. §360c(i)(1)(A), to a predicate device that does not require premarket approval. Section 513 of the FD&C Act authorizes FDA to exempt products from premarket notification requirements for which there is a

[1] Devices marketed prior to May 28, 1976 are grandfathered from the FD&C Act's premarket notification requirements. Neither FDA nor EPA are aware of any currently marketed products that are exempt under this grandfather provision. Should any exist, they are not covered by this Memorandum of Understanding.

reasonable assurance of safety and effectiveness. At present, no chemical germicides that are used with devices have been exempted from premarket notification requirements.

In regulating liquid chemical germicides used with devices, FDA is exercising its responsibilities under the FD&C Act for ensuring that devices are safe and effective for their intended uses. The FD&C Act provides enforcement authority to FDA to pursue regulatory actions, including seizure, injunction, prosecution, and civil penalties.

B. EPA Authorities

Liquid chemical germicides, including those regulated as devices, are also under the authority of the EPA under FIFRA. Before a pesticide product may be lawfully sold or distributed in commerce, the product must be registered by EPA pursuant to FIFRA section 3, or otherwise exempted from the requirements of FIFRA. A registration is a license allowing a pesticide product to be sold and distributed for specified uses in accordance with specified use instructions, precautions, and other terms and conditions. Liquid chemical sterilants are included among the various types of antimicrobial products that are currently subject to FIFRA.

A pesticide product may be registered or remain registered only if it meets the statutory standard for registration. Among other things, a pesticide must perform its intended pesticidal function without causing "unreasonable adverse effects on the environment" (FIFRA section 3(c)(5)). "Unreasonable adverse effects on the environment" is defined as "any unreasonable risk to man or the environment, taking into account the economic, social, and environmental costs and benefits of the use of [the] pesticide" (FIFRA section 2(bb)).

The burden of demonstrating that a pesticide product satisfies the statutory criteria for registration is at all times on the proponents of initial or continued registration. FIFRA section 6 provides EPA with various regulatory tools that the Administrator may use if it appears that the product no longer satisfies the statutory criteria for registration. If appropriate, EPA may require modifications to the terms and conditions of registration, such as deletion of particular uses or revisions to labeling, as an alternative to regulatory outcomes such as cancellation, suspension, or emergency suspension. FIFRA also provides enforcement authority to EPA to pursue actions, including issuance of stop sale, use, or removal orders when there is reason to believe a pesticide is in violation of FIFRA. Additionally, EPA has authority to seek the assessment of civil administrative penalties as well as institute seizure and criminal actions for violations of FIFRA.

FIFRA section 25(b) authorizes the Administrator to exempt pesticides from FIFRA through regulation if the Administrator determines that the pesticide is "adequately regulated by another Federal agency" or is "of a character which it is unnecessary to be subject to this Act in order to carry out the purposes of this Act."

III. REGULATORY RESPONSIBILITIES AND DEFINITIONS

For the purposes of this agreement, liquid chemical germicides that are used in conjunction with medical devices are divided into two product categories: (1) sterilants and (2) general purpose disinfectants. Sterilants, for purposes of this agreement, means those chemical germicides used to reprocess reusable critical and semicritical devices[2]. Critical devices are devices that are introduced directly into the human

[2] This definition is consistent with the definition of these terms used by the Centers for Disease Control and Prevention (CDC). Block, S.S. 1991. Disinfection, Sterilization, and Preservation. 4th Edition. Philadelphia, Lea & Febiger.

body, either into or in contact with the bloodstream or normally sterile areas of the body. These critical devices must be sterile. Semicritical devices are those which contact intact mucous membranes but which do not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. For these devices, sterilization is desirable but not mandatory. These devices must be subjected at least to a high level disinfection[3] process using a sterilant, but for a shorter time than that required for sterilization.

The second category of liquid chemical germicides are general purpose disinfectants. General purpose disinfectants, for purposes of this agreement, means those chemical germicides used to reprocess noncritical devices and medical equipment surfaces[4]. Noncritical devices and medical equipment surfaces must be subjected to intermediate or low level disinfection[5].

FDA's priority is to confirm the efficacy and safety of sterilants used to reprocess critical and semicritical devices which pose the greatest risk of disease transmission. This includes assuring that they do not adversely affect device performance or pose a hazard to the patient/user. Historically, EPA has assessed the effective performance of all chemical germicides and addressed health and safety issues their use.

The FD&C Act and FIFRA have overlapping regulatory schemes for liquid chemical germicides used on devices. **The objective of this MOU is to minimize redundant regulation of these products by FDA and EPA while assuring that the safety and efficacy requirements of both statutes are met.** This affects three areas: data requirements for obtaining approval, procedures for obtaining approval, and compliance.

In determining whether the FD&C Act's and FIFRA's statutory and regulatory requirements are met, EPA and FDA will utilize the data requirements and performance standards referenced in FDA's current Guidance on the Content and Format of Premarket Notification Submission for Liquid Chemical Germicides, FDA premarket notification regulations at 21 CFR Part 807, Subpart E, EPA data requirements regulations at 40 CFR Part 158, and EPA's Subdivision G, Product Performance Guidelines.

Since the EPA registration requirements for general purpose disinfectants parallel the requirements necessary to receive marketing clearance for general purpose disinfectants under section 510(k) of the FD&C Act, fulfillment of EPA's registration requirements fulfills FDA's section 510(k) requirements for those products.

The EPA efficacy data requirements for liquid chemical sterilants, including those with high level disinfectant uses, are fulfilled by FDA's section 510(k) requirements or premarket approval requirements. Therefore, premarket clearance by FDA fulfills certain EPA registration requirements for liquid chemical sterilants, insofar as efficacy and product performance are concerned. FDA premarket clearance does not satisfy EPA's chemistry, toxicology, and ecological effects requirements.

IV. AGREEMENT

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[3] "High level disinfectant" and "high level disinfection" are terms of are used by the public health community. FDA recognizes "high level disinfectant" as a separate or subcategory of sterilants. EPA does not register "high level disinfectants" as separate antimicrobial pesticides, but instead may register uses of germicides that correspond with uses in FDA's "high level disinfection" category.

[4] This definition is consistent with the definition of the term used by CDC.

[5] "Low and intermediate level disinfectants" are terms of art used by the public health community. FDA recognizes "low and intermediate level disinfection" as subcategories of general purpose disinfectants. EPA does not register low level and intermediate level disinfectants, but has corresponding germicide classes.

The Administrator of the Environmental Protection Agency and the Commissioner of the Food and Drug Administration agree that until exemptions referred to in Section V occur, the following division of responsibility will govern the activities of the agencies in the regulation of liquid chemical germicides that are intended for use on devices:

A. Regulatory Responsibilities

1. FDA will be primarily responsible for the premarket review of safety and efficacy requirements for liquid chemical germicides that are sterilants[6] intended for use on critical or semicritical devices. Examples of critical devices are laparoscopes, surgical instruments, heart-lung oxygenators, and transfer forceps. Examples of semicritical devices are gastrointestinal endoscopes, endotracheal tubes, cystoscopes, anesthesia breathing circuits, and vaginal specula. FDA will also be primarily responsible for premarket review of contact lens solutions.

2. EPA will be primarily responsible for premarket review of liquid chemical germicides that are general purpose disinfectants[7] intended for use on devices other than critical or semicritical devices. Examples of noncritical devices are wheel chairs, medical beds, stands, certain operating room surfaces, medical lamps, dental units, and stethoscopes.

3. FDA marketing clearance through the section 510(k) process or approval through the premarket approval process of sterilants will satisfy certain requirements for registration under FIFRA Section 3. Upon submission to EPA by the applicant of an order issued by FDA granting marketing clearance or approval for a liquid chemical germicide that is a sterilant, EPA will consider the efficacy data requirements for registration to be satisfied, and will promptly determine whether the other requirements for registration are satisfied.

4. EPA registration of liquid chemical germicides that are used as disinfectants for devices, except sterilants, will satisfy the criteria necessary to establish substantial equivalence as defined in 21 U.S.C. §360c(i)(1)(A). For this category of liquid chemical germicides, submission by the manufacturer to FDA of a copy of the EPA correspondence granting registration will satisfy FDA's requirement for a premarket notification under 21 U.S.C. §360(k). Upon receipt of this information from the manufacturer of a liquid chemical germicide in this category, FDA will issue an order finding the product substantially equivalent to a predicate device that does not require premarket approval. This order will allow the device to be legally marketed without an approved FDA premarket approval application.

5. As part of the EPA registration process, EPA will require registrants of liquid chemical germicides, other than sterilants that have received FDA premarketing clearance or approval, to put the following statement on their product labels:

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[6] If a liquid chemical sterilant product has subordinate claims such as tuberculocidal or virucidal, these claims also will be regulated by FDA.

[7] Procedures described in Paragraph 4 only apply to liquid chemical germicide products that do not contain <u>any</u> sterilant claims. If a liquid chemical germicide product contains both sterilant and general purpose disinfectant claims, registration will proceed according to the procedures described in Paragraph 3. If the registrant of a general purpose disinfectant product registered by EPA subsequently applies for registration of a sterilant claim, registration of that product must proceed under procedures described in Paragraph 3 and the existing EPA registration will become void upon FDA's clearance of the product.

"This product is not to be used on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body."

B. Compliance Responsibilities

1. FDA will be responsible for all sampling and all efficacy testing of liquid chemical sterilants intended for use on critical and semicritical devices and for instituting appropriate enforcement and/or regulatory action against any products that do not comply with the FD&C Act.

   Upon request, EPA will provide FDA with copies of the latest accepted labeling and the name and location of the production site for each product FDA intends to sample.

   To the extent allowed under 21 U.S.C. § 331j, 21 U.S.C. §360(j)(c), 42 U.S.C. §263g(d), 42 U.S.C. 263i(e), and 21 C.F.R. Part 20, FDA will share all safety and efficacy test results, labeling changes, and upon EPA request, any other information obtained during FDA enforcement/regulatory actions relating to liquid chemical sterilants. EPA may use this information to determine whether the registrant has complied with FIFRA. On the basis of this information, EPA may determine that further regulatory action under FIFRA, including cancellation of the product's registration, is warranted.

2. EPA will be responsible for the sampling and efficacy testing of all general purpose chemical germicides that are intended for use on devices other than critical and semicritical devices, and for instituting appropriate enforcement and/or regulatory action against any such chemical germicide that does not comply with FIFRA. EPA will refer labels and other evidence concerning inefficacious liquid chemical germicides intended for use on medical devices other than critical or semicritical to FDA for complementary action under the FD&C Act.

3. Each agency will provide assistance upon request to support compliance activities and litigation by the other Agency in cases involving liquid chemical germicides that are intended for use on devices. Assistance will be requested in accordance with applicable procedures, statutory and regulatory requirements including compliance with regulations of 21 CFR Part 20, through the liaison officers listed below. Assistance may include provision of sampling, inspection and audit data, expert witnesses, certified statements, and affidavits.

   Each Agency may consult with the other at any time to determine if the initiation of regulatory and/or enforcement action against a liquid chemical germicide in lieu of or concurrently with the other agency's action is appropriate.

   This Memorandum of Understanding has no effect on any pending investigations or enforcement or regulatory actions undertaken by EPA pursuant to FIFRA or by FDA pursuant to the FD&C Act.

C. Coordination of Activities

To ensure the continued coordinated regulatory, compliance, and enforcement activities for liquid chemical germicides intended for use on devices, an EPA/FDA interagency committee is established. The Directors of the EPA's Registration Division and the Compliance Division, Office of Prevention, Pesticides, and Toxic Substances, and of FDA's Center for Devices and Radiological Health, Office of Compliance and Surveillance, will serve as joint chairpersons who will designate their respective agency members of the committee. The committee will meet at a minimum of twice each fiscal year.

V. FUTURE RULEMAKINGS TO ELIMINATE DUPLICATIVE AGENCY REVIEW

EPA will initiate a rulemaking proceeding under section 25(b) of FIFRA to exempt liquid chemical sterilant products from regulation under FIFRA. EPA believes that the efficacy data requirements and product performance standards for liquid chemical sterilants are fulfilled by FDA's section 510(k) requirements or premarket approval requirements. When such exemption becomes effective, FDA and EPA will cease to follow procedures described in Paragraph IV, A.3. and these products will be subject solely to the regulatory and enforcement requirements and procedures of FDA, and EPA will no longer register such products. To the extent EPA receives information regarding such products, it will share such information with FDA.

FDA will initiate a rulemaking proceeding to classify liquid chemical germicides used on devices under section 513 of the FD&C Act. FDA believes that EPA's requirements under FIFRA for liquid chemical germicides that are intended for use on medical devices that are not critical or semicritical devices parallel the FD&C Act's requirements under section 510(k) of the Act. Accordingly, FDA will recommend to its classification advisory panel that liquid chemical germicides intended for use on devices that are not critical or semicritical devices be exempted from premarket notification requirements under section 510(k) of the FD&C Act. When any such exemption becomes effective, FDA and EPA will cease to follow the procedures in paragraph IV. A. 4. To the extent FDA obtains any information regarding such products, it will share the information with EPA.

VI. NAME AND ADDRESS OF PARTICIPATING PARTIES

A. Food and Drug Administration
5600 Fishers Lane
Rockville, MD 20857

B. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

VII. LIAISON OFFICERS

A. For the Food and Drug Administration

Sterilization and Toxicology Project Officer
(currently: Dr. Virginia Chamberlain)
Office of Compliance and Surveillance
Center for Devices and Radiological Health
1390 Piccard Drive
Rockville, MD 20850
Telephone: (301) 427-1131

For the Environmental Protection Agency:

Antimicrobial Program Branch Chief
(currently: Juanita Wills)
Registration Division
Antimicrobial Program Branch (H7505C)
401 M Street, S.W.
Washington, DC 20460
Telephone: (703) 305-6661

VIII. PERIOD OF AGREEMENT

This agreement becomes effective upon acceptance by both parties. It may be modified by mutual written consent or terminated by either party upon a thirty (30) day advance written notice to the other party. The parties agree to evaluate the agreement every three (3) years, at which time either party would have the option of renewing, modifying, or canceling the agreement.

APPROVED AND ACCEPTED FOR THE ENVIRONMENTAL PROTECTION AGENCY

By _____

Title Acting Assistant Administrator

Date June 4, 1993

APPROVED AND ACCEPTED FOR THE FOOD AND DRUG ADMINISTRATION

By _____

Title Associate Commissioner for Regulatory Affairs

Date June 4, 1993