How EPA’s Recommended Standards and Ecolabels Address Per- and Polyfluoroalkyl Substances (PFAS)

The chart on this page characterizes how standards/ecolabels included in EPA’s Recommendations ofSpecifications, Standards and Ecolabels for Federal Purchasing address Per- and Polyfluoroalkyl Substances (PFAS). The Recommendations help purchasers identify and use private sector and federal environmental performance standards and ecolabels within federal procurement to help them meet various sustainability goals and requirements.

Read more information on PFAS.

**These are high-level summaries of often complex and varied approaches to criteria. If you’re a federal employee, you may email epp@epa.gov to gain access to any of the below standards/ecolabels to review the full criteria language **

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<tbody>
<tr>
<td>BIFMA e3 2019 – Furniture Sustainability Standard</td>
<td>• Furniture</td>
<td>No</td>
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<td>Optional</td>
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<td>Biodegradable Products Institute (BPI)</td>
<td>• Food Service Ware: Containers, Cutlery, Dishware • Trash Bags</td>
<td>Yes</td>
<td>As of January 1, 2020 1) The product formula must not have fluorinated chemicals — as evidenced by a technical review of safety data sheets for all ingredients. 2) Test results from a BPI-approved lab showing a maximum of 100ppm total fluorine. 3) A statement of no intentionally added fluorinated chemicals, signed by the manufacturer.</td>
<td>Required</td>
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<td>Standard</td>
<td>Categories</td>
<td>Requirement</td>
<td>Details</td>
<td>Required</td>
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| Cradle to Cradle Certified® Product Standard | • Adhesives  
  • Carpet  
  • Ceiling Tiles - Acoustical  
  • Fiberboard, Gypsum Panels, Wallboard  
  • Flooring  
  • Furniture  
  • Insulation  
  • Interior Latex Paint  
  • Other Miscellaneous Building Finishes | Yes         | Under Version 4.0 of the Standard, **PFAS** are prohibited in certified products at all certification levels. If present as an impurity or minor additive, the level must be <1000 ppm or <100 ppm in any homogeneous material by weight for products certified at Bronze and Gold levels, respectively. Some exemptions apply for specific materials or parts. Additional restrictions for PFOS C-8 (10 ppm or less) and PFOA (25 ppm or less). | Required |
| Declare 2.0 | • Carpet  
  • Flooring  
  • Furniture  
  • Interior Latex Paint  
  • Other Miscellaneous Building Finishes | Yes         | Certified products and product packaging must not contain **Perfluorinated and Polyfluorinated Alkyl Substances (PFAS)** or **Perfluorinated compounds (PFCs)**. | Required |
| ECOLOGO/UL 2777 - Hard Floor Care Products | • Floor Care | No          | Product shall not be formulated or manufactured with perfluorooctane sulfonates (**PFOS**) and must not contain more than 150 ppm of fluorinated surfactants. | Required |
| ECOLOGO/UL 2795 Standard for Sustainability for Carpet and Upholstery Care Products | • CLEANERS: Carpet, Glass, and Multipurpose | No          | Certified products shall not be formulated or manufactured with Fluorinated surfactants. | Required |
| Green Seal (GS-1, GS-11, GS-34, GS-40) | • Bathroom Tissue  
  • Paper Towels  
  • Interior Latex Paint | Yes         | **PFOA** and **PFOS** are prohibited at or above 100 ppm in certified products. | Required |
|---------------------|----------------------------------|------------------------------|----------------------------------------------------------------------------------|--------------|
| Green Seal (GS-37, GS-41, GS-53) | • Parts Wash Solution  
• Floor Care  
• Cleaners: Carpet, Glass, Multi-purpose  
• Hand Soap  
• Commercial Dishwasher Detergent | Yes | Under the most recent standard editions, PFAS are prohibited in certified products. If present as a contaminant, the level must be below 100 ppm. | Required |
| Living Product Challenge 2.0 | • Carpet  
• Flooring  
• Furniture  
• Interior Latex Paint  
• Other Miscellaneous Building Finishes | Yes | Certified products and product packaging must not contain Perfluorinated and Polyfluorinated Alkyl Substances (PFAS) or Perfluorinated compounds (PFCs). | Required |
| NSF/ANSI 336 (2018) - Sustainability Assessment for Commercial Furnishings Fabric | • Furniture (single attribute standard for textiles)  
• | No | Intentionally added PFOS is prohibited in certified products. | Required |
| Safer Choice | • Cleaners (Carpet, Class, Multi-purpose)  
• Commercial Dishwasher Detergent  
• Floor Care  
• Hand Soap  
• Deicer  
• Parts Wash Solution | Yes | EPA’s Safer Choice program requires every ingredient used in a product to meet the stringent hazard criteria of the Safer Choice Standard for the product to be eligible for Safer Choice certification. While the Safer Choice program does not specifically prohibit PFAS chemicals, with the growing understanding of the effects of PFAS, EPA has determined that these chemicals no longer meet the Safer Choice Standard. In March 2023, EPA will remove the PFAS chemicals currently included on Safer Chemical | Required |
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<th>Ingredients List (SCIL) and they will not be eligible for use in certified products.</th>
<th>Intentionally added PFOS prohibited at or above the Stockholm Convention on Persistent Organic Pollutants.</th>
<th>Required</th>
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| **Sustainable Materials Rating Technology (SMaRT)** |  - Carpet  
  - Flooring  
  - Furniture  
  - Interior Latex Paint | Yes  
  **Find Products** |
| **TUV Rheinland – Green Product Mark** |  - Furniture | Yes  
  **Find Products** |

Certified products must not contain PFOS at 0.1% (articles) or 1 µg/m² (coated material).

If your organization’s standard/ecolabel restricts the use of PFAS in the formulation or manufacture of products, please inform us by reaching out to [epp@epa.gov](mailto:epp@epa.gov).