

Kaiser Permanente Environmental Preferable Purchasing Standards

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2025 Environmental Stewardship Goals



- **Improve the health of communities**
- **Prioritize Kaiser Permanente's actions**
- **Capitalize on Kaiser Permanente's leadership to accelerate environmental improvement**



Climate Action

Become "carbon net positive" by buying enough clean energy and carbon offsets to remove more greenhouse gases from the atmosphere than we emit.



Sustainable Food

Buy all of our food locally or from farms and producers that use sustainable practices, including using antibiotics responsibly.



Waste Reduction

Recycle, reuse or compost 100% of our non-hazardous waste.



Water Conservation

Reduce the amount of water we use by 25% per square foot of buildings.



Safer Products

Increase our purchase of products and materials that meet environmental standards to 50%.



Sustaining Sustainability

Meet international standards for environmental management at all of our hospitals.



Collaboration

Pursue new collaborations to reduce environmental risks to foodsheds, watersheds and air basins supplying our communities.



KAISER PERMANENTE®

EPP Standards

- ▶ **EPEAT Registry - Computers, Printers**
- ▶ **Greenseal, Ecologo – Cleaning Chemicals**
- ▶ **KP EPP Standard – Medical Products**
- ▶ **KP Furnishings and Fabrics Standard**
- ▶ **Healthcare without Harm Flooring Standard**

KP's EPP Standard: Chemical Criteria

1. **EUROPEAN UNION RESTRICTION of HAZARDOUS SUBSTANCES (EU RoHS) DIRECTIVE (ELECTRONICS)**
 - ▶ All homogenous electronic parts are compliant with all EU RoHS Directive's restricted limits (excluding exemptions)
2. **BISPHENOL A (BPA)**
 - ▶ All homogenous materials contain less than 1000 ppm of intentionally added Bisphenol A and related structural/functional analogues
3. **POLYVINYL CHLORIDE (PVC)**
 - ▶ Does not contain Polyvinyl Chloride.
4. **BROMINE AND CHLORINE-BASED COMPOUNDS**
 - ▶ All homogenous materials contain less than 1000 ppm of bromine and chlorine-based compounds
5. **PHTHALATES, INCLUDING di(2-ethylhexyl) phthalate (DEHP)**
 - ▶ All homogenous materials contain less than 1000 ppm of phthalates
6. **PROP 65 CHEMICALS**
 - ▶ Does not contain intentionally added chemicals listed by the State of California to cause cancer, birth defects, or reproductive harm that require warning or are prohibited from release to the environment under the California Safe Drinking Water and Toxic Enforcement Act of 1986. (Proposition 65)

KP's EPP Standard: Chemical Criteria

7. **ANTIMICROBIAL / ANTIBACTERIAL AGENTS**

- ▶ Does not contain intentionally added antimicrobial/antibacterial agents to reduce surface pathogens.

8. **PERSISTENT, BIOACCUMULATIVE AND TOXIC CHEMICALS (PBTs)**

- ▶ All homogenous materials contain less than 1000 ppm of persistent, bioaccumulative toxins (PBTs)

9. **NON-HALOGENATED FLAME RETARDENTS (FRs)**

- ▶ All non-electronic homogeneous materials contain less than 1000 ppm of any chemical or chemical compound for which a functional use is to resist or inhibit the spread of fire, including but not limited to phosphorous-based and nitrogen-based chemicals.

10. **METALS**

- ▶ Does not contain mercury, lead, cadmium, or organotin compounds

11. **PERFLUORINATED CHEMICALS (PFCs)**

- ▶ Products does not contain stain- or water-repellant treatments that contain a perfluorinated compound

KP's EPP Standard: Waste Criteria

1. DOES NOT CREATE A HAZARDOUS WASTE (PRODUCT)

- ▶ Product is not regulated as a state or federal hazardous waste when used for its intended purpose.

2. 10% OR MORE POST CONSUMER RECYCLED CONTENT (PRODUCT)

- ▶ Product contains more than 10% post-consumer recycled content.

3. RECYCLABILITY (PRODUCT)

- ▶ Product is Recyclable

4. RECYCLED CONTENT (PRIMARY PACKAGING)

- ▶ Primary Packaging - Contains more than 10% post consumer recycled content.

5. RECYCLED CONTENT (SECONDARY PACKAGING)

- ▶ Secondary Packaging - Contains more than 30% post consumer recycled content.

6. FOREST STEWARDSHIP COUNCIL

- ▶ Packaging has received Forest Stewardship Council Certification

7. CONSUMER FRIENDLY RECYCLING LABELS

- ▶ Packing is labeled with consumer-friendly recycling information

8. RECYCLABILITY (PACKAGING)

- ▶ Packaging is Recyclable

Performance

Successes

- ▶ Increase in % of spend meeting EPP Standards
- ▶ Driving consistent EPP criteria in health care
- ▶ Accuracy of supplier responses is continually improving

Challenges

- ▶ Driving continuous improvement to reduce CoC in medical products
- ▶ Prop 65 Responses
- ▶ FRs in Electronic Components

Kaiser Permanente Environmentally Preferable Purchasing (EPP) Standard

Summary: Products must meet all eleven (11) of the EPP Chemicals of Concern criteria, and at least (2) of the EPP Waste criteria.

A. Chemicals of Concern Criteria:

Product must meet all eleven (11) of the EPP Chemicals of Concern criteria contained herein. Note parts per million (PPM) where indicated.

1. EUROPEAN UNION RESTRICTION OF HAZARDOUS SUBSTANCES (EU RoHS) DIRECT (ELECTRONICS) – All homogenous electronic parts are compliant with all EU RoHS Directive's restricted limits (excluding exemptions)*.

*Chemicals include cadmium, mercury, lead, hexavalent chromium, and polybrominated biphenyls, polybrominated diphenyl ethers. RoHS Directive information, including exemptions and restricted limits, can be found at <https://www.gov.uk/guidance/rohs-compliance-and-guidance>

2. BISPHENOL A (BPA) - All homogenous materials contain less than 1000 ppm of intentionally added Bisphenol A and related structural/functional analogues*.

*Structural/functional analogues include: bisphenol AP, bisphenol AF, bisphenol B (BPB), bisphenol C, bisphenol C2, bisphenol E (BPE), bisphenol F (BPF), bisphenol G, bisphenol M, bisphenol S (BPS), bisphenol P, bisphenol PH, bisphenol TMC, bisphenol Z, and 4-cumylphenol (HPP) or Bisphenol A derived chemicals.

3. POLYVINYL CHLORIDE (PVC) - Does not contain Polyvinyl Chloride.

4. BROMINE AND CHLORINE-BASED COMPOUNDS - All homogenous materials contain less than 1000 ppm of bromine and chlorine-based compounds*.

*Bromine and Chlorine-based compound: Including but not limited to 79-94-7 Tetrabromobisphenol-A, 25637-91 Hexabromocyclododecane, 1183-19-5 Deca-BDE (Decabromodiphenyl ether), 32536-52-0, Octa-BDE (Octabromodiphenyl ether), 32534-81-9 Penta-BDE (Pentabromodiphenyl ether), 13674-84-5 Tris (2-chloroisopropyl) phosphate (TCPP), 115-96-8 Tris(2-chloroethyl) phosphate (TCEP), 13560-88-9 Dechlorane PlusTM.

5. PHTHALATES, INCLUDING di(2-ethylhexyl) phthalate (DEHP) – All homogenous materials contain less than 1000 ppm of phthalates*.

*Phthalates include Di-2-ethyl hexyl phthalate (DEHP) CAS 117-81-7, Benzylbutylphthalate (BBP) CAS 85-68-1, n-hexyl phthalate (DnHP) CAS 84-75-3, Di-isodecyl phthalate (DiDP) CAS 68515-49-1 or 26761-40-0, Dibutyl phthalate (DBP) CAS 84-74-2, Diisononyl phthalate (DINP) CAS 28553-12-0 and 68515-48-0, Diisobutyl phthalate (DIBP) CAS 84-69-5, as well as Di-n-pentyl phthalate (DPENP) CAS 131-18-0, Dicyclohexyl (DCHP) CAS 84-68-0 and Di-n-hexyl phthalate (DHEXP) CAS 84-75-3 (above 1000ppm).

6. PROP 65 CHEMICALS - Does not contain intentionally added chemicals listed by the State of California to cause cancer, birth defects, or reproductive harm that require warning or are prohibited from release to the environment under the California Safe Drinking Water and Toxic Enforcement Act of 1986. (Proposition 65)*.

*The Prop 65 list can be found at <http://oehha.ca.gov/proposition-65/proposition-65-list>

If answered "No" to Prop 65 criteria, list Chemical Abstracts Service (CAS) #'s.

7. ANTIMICROBIAL / ANTIBACTERIAL AGENTS - Does not contain intentionally added antimicrobial/antibacterial agents to reduce surface pathogens.

8. PERSISTENT, BIOACCUMULATIVE AND TOXIC CHEMICALS (PBTs) - All homogenous materials contain less than 1000 ppm of persistent, bioaccumulative toxins (PBTs)*.

*PBTs include chemicals on any of the following lists: US EPA – Priority PBTs and US EPA – Priority PBTs (NW) - (https://www.dtsc.ca.gov/SCP/upload/1-1-US-EPA_NWM.pdf); OSPAR – Priority PBTs & EDs & equivalent coo (<http://www.ospar.org/work-areas/hasec/chemicals/priority-action>); UNEP Stockholm Conv – Persistent Organic Pollutants (<http://chem.unep.int/TheConvention/ThePOPs/ListofPOPs/tabid/2509/Default.aspx>); US EPA – Tox Release Inventory PBTs (<https://www.epa.gov/toxics-release-inventory-tri-program/persistent-bioaccumulative-pbt-chemicals-covered-tri>).

9. NON-HALOGENATED FLAME RETARDENTS (FRs) - All non-electronic homogeneous materials contain less than 1000 ppm of any chemical or chemical compound for which a functional use is to resist or inhibit the spread of fire, including but not limited to phosphorus-based and nitrogen-based chemicals.

10. METALS - Does not contain mercury, lead, cadmium, or organotin compounds*.

*Lead and lead-containing compounds in concentrations exceeding 40 ppm, mercury and mercury-containing compounds exceeding 100 ppm, cadmium and cadmium-containing compounds exceeding 100 ppm, Organotin compounds [e.g. tributyltin (TBT), dibutyltin (DBT)] exceeding 100 ppm.

11. PERFLUORINATED CHEMICALS (PFCs) - Products does not contain stain- or water-repe treatments that contain a perfluorinated compound*.

*PFCs (often referred to as PFASs) are a category of compounds that includes long and short chain per- and p fluorinated alkyl compounds and fluorinated polymers. PFCs are widely used to make everyday products, including furnishings and fabrics more resistant to stains, grease and water. This includes any compound that meets any of the definitions:

- Perfluoroalkyl substances : Compounds for which all hydrogen atoms on all carbon atoms (except for carbons associated with functional groups) have been replaced by fluorine atoms.
- Polyfluoroalkyl substances : Compounds for which all hydrogen atoms on at least one (but not all) carbon atom have been replaced by fluorine atoms.
- Fluoropolymers : Carbon-only polymer backbone with fluorine atoms directly bound.
- Perfluoropolyethers : Carbon and oxygen polymer backbone with fluorine atoms directly bound to carbon atoms.
- Side-chain fluorinated polymers: Variable composition non-fluorinated polymer backbone with fluorinated side chains.

B. Waste Criteria

Product must meet two (2) of the EPP Waste criteria contained herein.

1. DOES NOT CREATE A HAZARDOUS WASTE (PRODUCT) - Product is not regulated as a state or federal hazardous waste when used for its intended purpose.
2. 10% OR MORE POST CONSUMER RECYCLED CONTENT (PRODUCT) – Product contains more than 10% post-consumer recycled content.

3. RECYCLABILITY (PRODUCT) - Product is Recyclable*.

*A product or package is recyclable if it can be collected, separated, or otherwise recovered from the waste stream through an established recycling program for reuse or use in manufacturing or assembling another item, with recycling facilities for the item available to at least 60 percent of communities where the item is sold.

4. RECYCLED CONTENT (PRIMARY PACKAGING) - Primary Packaging - Contains more than 10% post consumer recycled content.

5. RECYCLED CONTENT (SECONDARY PACKAGING) - Secondary Packaging - Contains more than 30% post consumer recycled content.

6. FOREST STEWARDSHIP COUNCIL - Packaging has received Forest Stewardship Council Certification*.

*Packaging has one of the following certifications: 100% - From well-managed forests; Mix - From responsible sources; Recycled - Made from recycled material.

7. CONSUMER FRIENDLY RECYCLING LABELS - Packing is labeled with consumer-friendly recycling information*.

* Labels meet US Federal Trade Commission Green Guides such as How2Recycle Label

8. RECYCLABILITY (PACKAGING) - Packaging is Recyclable*.

*A product or package is recyclable if it can be collected, separated, or otherwise recovered from the waste stream through an established recycling program for reuse or use in manufacturing or assembling another item, with recycling facilities for the item available to at least 60 percent of communities where the item is sold.

Written in collaboration.



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