

ANNEX 6

Practice Greenhealth’s standardized environmental criteria

STANDARDIZED ENVIRONMENTAL CRITERIA

To reduce human health and environmental impacts of products purchased in health care, the standardized environmental criteria support identifying and purchasing sustainable products. The criteria address two important impact areas: chemicals of concern and waste reduction.

The standardized environmental criteria provide an industry-wide set of expectations for health care products where existing standards or criteria are unavailable. The criteria, aligned with Kaiser Permanente’s environmentally preferred purchasing standard, has been in use since 2017 by several large health care organizations. Earlier versions have been in use since 2011.

There may be additional criteria that would be important to consider beyond the questions described below, depending on the product category. Supplier products shall meet all 11 of the chemical criteria and at least two of the nine waste criteria. For each criteria, the preferred answer is “yes.” Responses to the general disclosure questions may provide additional information.

[To implement, refer to user guidance.](#) Contact us if you have questions.

TOPIC	#	PROCUREMENT CRITERIA
GENERAL DISCLOSURE (OPTIONAL CONSIDERATION)	1	Ingredients known: The manufacturer knows all of the chemical and material ingredients in this product to 1,000 ppm.
	2	Chemical assessment: The manufacturer has evaluated all of the ingredients to 1,000 ppm for hazard properties (meaning any health or environmental data).
	3	Ingredient disclosure: Upon request, the manufacturer will provide full ingredient information for this product. (Yes, manufacturer will provide ingredient list upon request; no, manufacturer will not provide ingredient list upon request)
	4	Natural rubber latex: The product is not made with natural latex rubber.
	5	Reusable product: The product is designed for multiple uses.

TOPIC	#	PROCUREMENT CRITERIA
CHEMICALS	1	<p>This criterion comes from the European Union restriction of hazardous substances directive (RoHS) list (electronics): All homogeneous electronic parts are compliant with all EU RoHS directive's restricted limits (excluding exemptions).</p> <p>Chemicals include cadmium, mercury, lead, hexavalent chromium, polybrominated biphenyls, and polybrominated diphenyl ethers. The EU's directive information, including exemptions and restricted limits, can be found on their website.</p>
	2	<p>Bisphenol A (BPA): All homogeneous materials contain less than 1,000 ppm of BPA and related structural analogues. Please refer to our Standard environmental criteria guidance for definition of structural analogues (an expansive list).</p> <p>Note: If the compound is detected in environmental media or human biomonitoring studies and is used as a functional substitute for BPA but has sufficient publicly available hazard data to demonstrate that it does not have endocrine disrupting potential (estrogen and/or androgen receptor agonism and/or antagonism), it is not restricted.</p>
	3	<p>Polyvinyl chloride (PVC): Product does not contain PVC or chlorinated polymers.</p> <p>Exemption: Products made up of less than 1% of PVC by weight are exempt.</p>
	4	<p>Flame retardants (non-electronics): Non-electronic product is free of all flame retardants by weight of homogeneous material (less than 1,000 ppm).</p>
	5	<p>Flame retardants (electronics): Electronic product is free of halogenated organic flame retardants by weight of homogeneous material (less than 1,000 ppm).</p>
	6	<p>Ortho-phthalates, including di(2-ethylhexyl) phthalate (DEHP): All homogeneous materials contain less than 1,000 ppm of ortho-phthalates. Please refer to our Standard environmental criteria guidance for a detailed list of prohibited ortho-phthalates.</p>
	7	<p>Proposition 65 chemicals: Product does not contain intentionally added chemicals listed on Proposition 65 at levels that would require a warning in the state of California.</p> <p>(If answered "no" to Proposition 65 criteria, list chemical abstracts service numbers.)</p>
	8	<p>Antimicrobials: Product does not contain intentionally added antimicrobial/antibacterial agents to reduce surface pathogens.</p>
	9	<p>Persistent, bioaccumulative, and toxic chemicals (PBTs): All homogeneous materials contain less than 1,000 ppm of PBTs.</p> <p>PBTs include chemicals on any of the following lists: U.S. EPA priority PBTs and U.S. EPA priority PBTs (NWMP), OSPAR priority PBTs and EDs and equivalent concern, UNEP Stockholm Convention persistent organic pollutants, and U.S. EPA toxics release inventory PBTs.</p>
	10	<p>Metals: Product does not contain mercury, lead, cadmium, or organotin compounds by weight of homogeneous materials.</p> <p>Lead and lead-containing compounds do not exceed 40 ppm, mercury and mercury-containing compounds do not exceed 100 ppm, cadmium and cadmium-containing compounds do not exceed 100 ppm, organotin compounds (such as tributyltin and dibutyltin) do not exceed 100 ppm.</p>

TOPIC	#	PROCUREMENT CRITERIA
<p style="text-align: center;">CHEMICALS</p>	11	<p>Per- and poly-fluorinated alkyl substances (PFAS): Product does not contain stain or water-repellent treatments or other surface protections that contain a PFAS.</p> <p>PFAS include long and short chain per- and poly-fluorinated alkyl substances and fluorinated polymers. This includes any substance that meets any one of the following definitions:</p> <ul style="list-style-type: none"> • Perfluoroalkyl substances: Substances for which all hydrogen atoms on all carbon atoms (except for carbons associated with functional groups) have been replaced by fluorine atoms. • Polyfluoroalkyl substances: Substances for which all hydrogen atoms on at least one (but not all) carbon atoms 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.
<p style="text-align: center;">WASTE</p>	1	<p>Does not create hazardous waste: Product does not become or generate a hazardous waste product according to state or federal hazardous waste rules (such as EPA's Resource Conservation and Recovery Act).</p>
	2	<p>10% or more post-consumer recycled content (product): Product contains more than 10% post-consumer recycled content.</p>
	3	<p>Recyclable (product): Product is recyclable.</p> <p>A product 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% of communities where the item is sold.</p>
	4	<p>Recycled content (primary packaging): Primary packaging contains more than 10% post-consumer content.</p>
	5	<p>Recycled content (secondary packaging): Secondary packaging contains more than 30% post-consumer content.</p>
	6	<p>Forest Stewardship Council: Packaging has Forest Stewardship Council (FSC) certification.</p> <p>Packaging has one of the following FSC certifications: 100%: from well-managed forests; mix: from responsible sources; or recycled: made from recycled content material.</p>
	7	<p>Recycling information: Packaging is labeled with recycling information.</p>
	8	<p>Recyclable (packaging): Primary packaging is recyclable.</p> <p>A 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% of communities where the item is sold. Primary packaging is the layer of packaging in immediate contact with the product.</p>
	9	<p>PVC, polystyrene (packaging): Product is packaged without both PVC and polystyrene.</p>