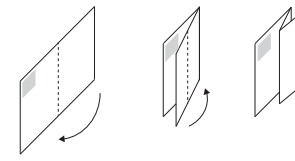


THE NO-NO LIST

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	Red-List Materials LBC 3.0	Carcinogen	Cardiovascular or blood toxicant	Developmental toxicant	Endocrine toxicant	Gastrointestinal or liver toxicant	Immunotoxicant	Kidney toxicant	Neurotoxicant	Reproductive toxicant	Respiratory toxicant	Skin or sense organ toxicant	SIDE EFFECTS	WHERE TO LOOK FOR THEM
Arsenic	◆	●	●	●	●	●	●	●	●	●	●	●	Linked to cancers: lungs, skin, bladder, kidney, prostate	Wood treatment
Bisphenol A (BPA)	◆				●		●			●		●	Known endocrine disrupter (WWF) blocks hormones especially estrogen. Linked to reduced sperm production, increased prostate weight and affects puberty onset	Adhesives, protective coatings, paint, piping, epoxy resins, wire/electronic sheathing, and polycarbonate plastic products
Bromochlorodifluoromethane											●		Ozone-depleting chemicals, increase risk of skin cancer, suspected neurotoxin, weakens immune system	Dry fire suppression systems and extinguishers
Cadmium	◆	●	●	●	●			●		●	●		Persistent Bio-Accumulative Toxic Chemical, EPA classification B1 (probable human carcinogen)	Batteries, metal alloys, hardware coatings, and paints
Chlorinated Polyethylene (CPE)	◆	●	●	●	●	●	●		●	●	●	●	Associated with known carcinogen dioxin, other Persistent Organic Pollutants (POPs) and Persistent Bio-Accumulative Toxins (PBTs)	Geomembranes, wire and cable jacketing
Chlorinated Polyvinyl Chloride (CPVC)	◆	●	●	●	●	●	●		●	●	●	●	Associated with known carcinogen dioxin, other Persistent Organic Pollutants (POPs) and Persistent Bio-Accumulative Toxins (PBTs)	Water piping
Chlorofluorocarbons (CFCs)	◆		●						●				Ozone-depleting chemicals, increased risk of skin cancer, weakens immune system	HVAC - Refrigerant
Chloroprene (2-chlor-1, 3-butadiene)		●											Suspected respiratory, blood, and liver toxicant (EPA)	Weather-stripping, expansion joint filler, seals, adhesives, sealants and flashing
Chlorosulfonated Polyethylene (CSPE)	◆	●	●	●	●	●	●		●	●	●	●	Associated with known carcinogen dioxin, other Persistent Organic Pollutants (POPs) and Persistent Bio-Accumulative Toxins (PBTs)	Roof membranes, electrical connectors, sheet liners for ponds
Copper (for exterior material)			●	●		●				●	●		Known toxic material to aquatic life, suspected toxicant to humans when used as an exterior material	Piping, flashing, asphalt roofing, electrical devices, and decorative finishes
Creosote	◆	●										●	EPA classification B1 (probable human carcinogen)	Coal tar-based creosote is the most commonly used wood preservative in the United States. It is also used for roofing.
Halogenated Flame Retardants	◆	●			●				●				Suspected carcinogen, hormone disrupter, neurobehavioural toxicant; material likely to be banned in the EU	Fabrics, plastics, foams, insulation, carpet backing, epoxy and resins, kitchen appliances, housing paints, and electrical devices
Hexavalent Chromium (VI)	◆	●									●		Recognized human carcinogen, suspected respiratory toxicant; causes respiratory problems during manufacturing/processing	Chrome plating, chrome chemical production, chromium pigments for paints and textile, wood preservation, leather tanning, and anti-corrosion coatings
Hydrochlorofluorocarbons (HCFC)	◆		●						●				Ozone-depleting chemicals, increased risk of skin cancer, weakens immune system	HVAC - Refrigerant
Lead	◆	●	●	●	●	●		●	●	●	●	●	Probable human carcinogen, Persistent Bio-Accumulative & Developmental Toxicant - particularly in fetus and children's brains, causes kidney/reproductive system damage	Flashing and roofing, radiation shielding, solder, and electrical cable jacketing
Mercury	◆		●	●	●	●	●	●	●	●	●	●	Persistent Bio-Accumulative Toxin, prenatal exposure can result in language, memory and attention deficits, not solely toxic to children	Batteries, HVAC controls, electrical components, paint, flooring, medical equipment, switches & relays, and lamps
Organostannic Compounds			●				●			●	●		Health issues associated with neurological problems, skin and eye irritation	Anti-fouling protective coatings and paints for equipment that is submerged
Pentachlorophenol	◆	●	●	●	●	●	●	●	●	●		●	Probable human carcinogen - based on sufficient evidence in animals	Wood treatment
Perfluorocarbons (PFCs)	◆		●	●									Persistent and bio-accumulative, suspected endocrine disrupters, reproductive and developmental toxicants, and carcinogens	Stain protecting fabric treatment, fire extinguishers and refrigerants
Phthalates	◆	●		●	●	●				●	●		Butyl Benzyl Phthalate (BBP), Di(2-Ethylexyl) Phthalate (DEHP), and Dibutyl Phthalate (DBP) are likely to be banned in the EU	Pipes, conduits, waterproofing, roofing, siding, doors, resilient flooring, carpet backing, wall covering, signage, windows & treatments, furniture, and wire cable sheathing
Polystyrene							●				●	●	Possible carcinogen, mutagen, chronic toxin, environmental toxin; produced from benzene which also has health and environmental concerns	Rigid insulation
Polyurethane Foam			●						●				CFCs and HCFCs are common blowing agents for this material - ozone depleting materials	Rigid insulation, carpet backing, firestopping foams, and foams
Polyvinyl Chloride (PVC)	◆	●	●	●	●	●	●		●	●	●	●	Byproduct dioxin can cause: cancer, endocrine disruption, endometriosis, neurological damage, birth defects, impaired child development, reproductive and immune damage	Pipes, conduits, waterproofing, roofing, siding, doors, resilient flooring, carpet backing, wall covering, signage, windows & treatments, furniture, and wire cable sheathing
Urea-Formaldehyde	◆	●				●	●			●	●	●	Probable human carcinogen, suspected asthma trigger, can cause irritation of mucous membranes and skin reactions	Composite wood products, insulation, furniture, and adhesives
Volatile Organic Compounds (VOCs)	◆	●		●						●			Suspected carcinogen, developmental and reproductive toxicant, suspected asthma trigger	Paint, sealants, roofing products, resilient flooring, carpets, adhesives, and sealants

*information adapted from P+W precautionary list