

Restricted Substance List

APPROVED	
Process Owner	Manager of Quality and Compliance

1.0 Purpose

This Restricted Substance List (RSL) is intended to provide PMI suppliers with information related to regulations and laws that restrict or ban certain chemicals and substances in PMI products around the world.

2.0 Scope

This document applies to suppliers who provide finished products to PMI intended to be marketed and sold to customers.

3.0 Definitions and Acronyms

CAS:	Chemical Abstracts Service
PMI:	Pacific Market International, LLC
RSL:	Restricted Substance List

4.0 Process

- 4.1 Suppliers shall comply with Attachment 1, Restricted Substance List.
- 4.2 Suppliers shall also stay up to date on emerging regulations and comply with newly released regulations from the following global regulatory bodies:
- U.S Consumer Product Safety Commission (CPSC)
 - <http://www.cpsc.gov/>
 - European Commission General Product Safety Directive (GPSD)
 - http://ec.europa.eu/consumers/consumers_safety/product_safety_legislation/general_product_safety_directive/index_en.htm
 - U.S. Food and Drug Administration (FDA)
 - Food Safety in the European Union (EU)
 - And other regional directives
- 4.3 It is the responsibility of our suppliers to ensure that all minimum chemistry regulations are followed for products manufactured for PMI.
- 4.4 Below you will find chemicals PMI has identified as materials and restrictions, some voluntarily, applicable to materials typically used in the manufacture of goods for PMI. PMI reserves the right to modify this list at any time during development and production of goods. Additionally, as new materials are developed for use in PMI products

5.0 References/Attachments

Attachment 1, Restricted Substance List

6.0 Change History

Revision	Description of Changes	Release Date
A	Initial release.	20200507

Attachment 1, Restricted Substance List**Products**

Restricted Substance List or Group Name (CAS #):	PMI Restricted Limit:	Source of Legislated Limit:	Test Method:
<u>Arsenic</u> Arsenic and Arsenic compounds (7440-38-2)	1000 (total) 2	89/677/EEC	Non-Leather EN ISO 105—E04 Leather EN 150 17072- 1:2011
<u>Asbestos</u> Asbestos Actinolite (77536-66-4) (12172-73-5) Anthrophyllite (77536-67-5) Chrysotile (12001-29-5) Crocidolite (12001-28-4) Tremolite (77536-68-6)	None detected / None added	76/769/EEC, Marketing and Use of Dangerous Substances and amendments: (83/478/EEC; 85/610/EEC; 87/217/EEC; 91/659/EEC; 99/77/EEC). United States: Toxic Substances Control Act (restricts new uses); Occupational Safety and Health Act (29 CFR 1910.1001-1051)	U.S EPA/600/R- 93/116
<u>Bisphenol A</u> BPA	1 PPM Surface coating 0.1PPM Food contact	PMI Policy	
<u>Cadmium</u> Cadmium in plastics and surface coatings (7440-43-9)	100 ppm	Jurisdiction: European Union Law: 76/769/EEC Supplement 91/338/EEC	
<u>Chlorinated Phenols</u> Pentachlorophenol (PCP), its salts and esters (87-86-5 PCP) Tetrachlorophenol (TeCP) (25167-83-3) Trichlorophenol (TCP), sum of isomers (No CAS Number)	Not detected	Switzerland: ChemRRV GB 25036/ GB 25038 PMI Policy	
<u>Chromium VI in Textiles and Leather</u>	Not detected	Jurisdiction: Germany	DIN 533314; C18

		Law: §30 of the Food and Commodities Law	filtration and reanalysis of all positive results [test limit 3 ppm]
<u>Dimethyl Fumarate</u>	0.1 ppm	European Union REACH regulation (EC) No. 1907 Annex XVII, limit 0.1 mg/kg Spain (1229 Resolution) Belgium: The Minister for Public Health and the Minister for Consumer Protection, Ministerial Decree concerning the prohibition of placing articles and products containing DMF on the market. Belgian Official Journal	
<u>Dioxins and Furans</u> Group 1 2,3,7,8-Tetrachlorodibenzo-p-dioxin (1746-01-6) 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (40321-76-4) 2,3,7,8-Tetrachlorodibenzofuran (51207-31-9) 2,3,4,7,8-Pentachlorodibenzofuran (57117-31-4) Group 2 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (39227-28-6) 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (19408-74-3) 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (57653-85-7) 1,2,3,7,8-Pentachlorodibenzofuran (57117-41-6) 1,2,3,4,7,8-Hexachlorodibenzofuran (70648-26-9) 1,2,3,7,8,9-Hexachlorodibenzofuran (72918-21-9) 1,2,3,6,7,8-Hexachlorodibenzofuran (57117-44-9) 2,3,4,6,7,8-Hexachlorodibenzofuran (60851-34-5) Group 3 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (35822-46-9) 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (3268-87-9)	Not detected	PMI Policy	U.S. EPA Method 8290

<p>1,2,3,4,6,7,8-Heptachlorodibenzofuran (67562-39-4) 1,2,3,4,7,8,9-Heptachlorodibenzofuran (55673-89-7) 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (39001-02-0)</p> <p>Group 4 2,3,7,8-Tetrabromodibenzo-p-dioxin (No CAS #) 1,2,3,7,8-Pentabromodibenzo-p-dioxin (No CAS #) 2,3,7,8-Tetrabromodibenzofuran (No CAS #) 2,3,4,7,8-Pentabromdibenzofuran (No CAS #)</p> <p>Group 5 1,2,3,4,7,8-Hexabromodibenzo-p-dioxin (No CAS #) 1,2,3,7,8,9-Hexabromodibenzo-p-dioxin (No CAS #) 1,2,3,6,7,8-Hexabromodibenzo-p-dioxin (No CAS #) 1,2,3,7,8-Pentabromodibenzofuran (No CAS #)</p>			
<p><u>Dyes, Acid</u> Acid Red 26 (3761-53-3)</p>	Not detected	ES 7266-4	DIN 54231 / §64 LFGB 82.02-10
<p><u>Dyes, Azo</u> p-Aminoazobenzene (60-09-3) Aminoazotoluene (97-56-3) 4- Aminodiphenyl (92-67-1) 2-Amino-4-nitrotolene (99-55-8) o-Anisidine (90-04-0) Benzidine (92-87-5) p-Chloroaniline (106-47-8) p-Cresidine (120-71-8) 4-Chloro-o-toluidine (95-69-2) 2,4-Diaminoanisoole (615-05-4) 4,4'-Diamino-diphenylmethane (101-77-9) 3,3'-Dicholrobenzidine (91-94-1) 3,3'-Dimethoxybenzidine (119-90-4) 3,3-Dimethylbenzidine (119-93-7) 3,3-Dimethyl-4,4'-diamino-diphenylmethane (838-88-0) 4,4'-Methylene-bis-(2-chloroaniline) (101-14-4) 2-Naphthylamine (91-59-8) 4,4'-Oxydianiline (101-80-4) 4,4'-Thiodianiline (139-65-1)</p>	20 ppm	Jurisdiction: European Union (EU) Law: 76/769/EEC 89/677/EEC, 94/60/EC, 97/10/EC	Textiles in general: LMBG 82.2-2 Textiles from polyester: LMBG 82.02-4 Leather: LMBG

2,4-Toluenediamine (95-80-7) o-Toluidine (95-53-4) 2,4,5-Trimethylaniline (137-17-7) 2,4-Xylidine (95-68-1) 2,6-Xylidine (87-62-7)			
<u>Dyes, Basic</u> Basic Red 9 (569-61-9) Basic Violet 14 (632-99-5) Basic Blue 26 (2580-56-5)	Not detected	ES 7266-4	DIN 54231 / §64 LFGB 82.02-10
<u>Dyes, Direct</u> Direct Black 38 (1937-37-7) Direct Blue 6 (2602-46-2) Direct Red 28 (573-58-0)	Not detected	ES 7266-4	DIN 54231 / §64 LFGB 82.02-10
<u>Dyes, Disperse – Sensitizing</u> Disperse Blue 1 (2475-45-8) Disperse Blue 35 (12222-75-2) Disperse Blue 106 (12223-01-7) Disperse Blue 124 (61951-51-7) Disperse Red 1 (2872-52-8) Disperse Orange 3 (730-40-5) Disperse Orange 37/59/76 (13301-61-6) Disperse Yellow 3 (2832-40-8) Disperse Yellow 23 (6250-22-3) <u>Additional Restricted Dyes</u> Disperse Blue 3 (2475-46-9) Disperse Blue 7 (3179-90-6) Disperse Blue 26 (3860-63-7) Disperse Blue 102 (12222-97-8) Disperse Yellow 1 (119-15-3) Disperse Yellow 9 (6373-73-5) Disperse Yellow 39 (12236-29-2) Disperse Yellow 49 (54824-37-2) Disperse Orange 1 (2581-69-3) Disperse Orange 11 (82-28-0) Disperse Red 11 (2872-48-2)	Not detected	Jurisdiction: European Union and Japan Law: Proposal for a Directive of the European Parliament and of the Council amending for the 24 th time Council Directive 76/769/EEC Japanese Law 112	DIN NMP 512 WD Disperse Dyes Draft [test method detection limit is 5 mg/L in extract (Germany: German Food and Feed Commodities Law §30(LFGB §30)

Disperse Red 17 (3179-89-3) Disperse Brown 1 (23355-64-8)			
Flame Retardants Polybromobiphenyles (PBBs) (59536-65-1) Tris (2,3-dibromopropyl) phosphate (TRIS) (162-7) Tris (-azidiny)-phosphineoxide (Tris(1-aziridiny) phosphate oxide) or (TEPA) Pentabromodiphenyl ether (PentaBDE) (32534-81-9) Octabromodiphenyl ether (OctaBDE) (32536-52-0) Bis-(2,3-dibromopropyl) phosphate (5412-25-9) Decabromodiphenyl ether (DecaBDE) (1163-19-5)	Not detected	Jurisdiction: European Union and Japan Law: Proposal for a Directive of the European Parliament and of the Council amending for the 24 th time Council Directive 76/769/EEC Japanese Law 112	Performance-Based methods: extraction and analysis by LC-MS headspace analysis by GC-MS
Heavy Metals Antimony (Sb) (7440-36-0) Arsenic (As) (7440-38-2) Barium (Ba) (7440-39-3) Cadmium (Cd) (7440-43-9) Chromium (Cr), total (7440-47-3) Lead (Pb) (7439-92-1) Mercury (Hg) (7439-97-6) Selenium (Se) (7782-49-2)	60 ppm 25 ppm 1000 ppm 75 ppm 60 ppm 90 ppm 60 ppm 500 ppm	Jurisdiction: European Union Law: EU EN 71: Part III Status of Law: Existing	Total Metal content by microwave digestion and ICP analysis, or soluble extraction by EN 71: Part I
Lead in surface coatings	90 ppm	Jurisdiction: United States Law: US 16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead Paint	ASTM E1645-01; ASTM E1613-99
Nickel Nickel in products in direct and prolonged contact with skin	Maximum release: .05 Ug/cm ² /week	Jurisdiction: European Union Law: Directive 94/27/EC (twelfth amendment of Directive 76/769/EC on restrictions on the marketing and use of certain dangerous substances and preparations)	Nickel release by EN 1811. Abrasion of coated items by EN 12472
Organotin Compounds Tributyltin (TBT) (56573-85-4)	Not detected	Jurisdiction: Japan Law: (organo tin) Law for the control of	Hexane extraction derivitization

Triphenyltin (TPhT) (668-34-8)		household products containing harmful substances (Law no. 112)	(performance-based method); analysis by GC/MS or LC/MS
<p>Pesticides</p> <p>Aldicarb (16-06-3) Aldrin (309-00-2) Azinophosmethyl (86-50-0) Azinophosethyl (2642-71-9) Bromophos-ethyl (4824-78-6) Captafol (2425-06-1) Carbaryl (63-25-2) Chlordane (57-74-9) Chlorodimeform (6164-98-3) Chlorfenvinphos (470-90-6) Coumaphos (56-72-4) Cyfluthrin (68359-37-5) Cyhalothrin (91465-08-6) Cyermethrin (52315-07-8) DEF (78-48-8) Deltamethrin (52918-63-5) 1,2 Dibromo-3-Chloropane (DBCP) (92-12-6) p,p-Dichlorodiphenyl-dichloroethane (p,p-DDD) (72-54-8) o,p- Dichlorodiphenyl-dichloroethane (o,p-DDD) (53-19-0) p,p- Dichlorodiphenyl-dichloroethylene (p,p-DDE) (72-55-9) o,p-Dichlorodiphenyl- dichloroethylene (o,p-DDE)(3424-82-6) p,p- Dichlorodiphenyl-trichloroethane (p,p-DDT) (50-29-3) o,p- Dichlorodiphenyl-trichloroethane (o,p-DDT)(789-02-6) 2,4-Dichlorophenoxy-acetic acid, its salts and compounds (97-75-7) Diazinon (333-41-5) Dichlorprop (120-36-2) Dicrotophos (141-66-2) Dicofol (115-32-2) Dieldrin (60-57-1) Dimethoate (60-51-5) Dinoseb and salts (88-85-7)</p>	Not detected	<p>European Union POPs Regulation (EC) No. 850 Annex I</p> <p>Switzerland: ChemRRV (Chemikalien-RisikoreduktionsVerordnung) Art. 3 Appendix 1.1</p>	U.S. EPA Method 8081A/ 8151A

Endosulfan (Thiosulfan) (115-29-7) Endrin (72-20-8) Ethylene Dibromide (EDB) (106-93-4) Esfenvalerate (66230-04-4) Fenvalerate (51630-58-1) Hexachlorobenzene (118-74-1) Hexachlorocyclohexane (HCH), all isomers (608-73-1) Heptachlor (76-44-8) Heptachlor epoxide (1024-57-3) Isodrin (465-73-6) Kelevan (4234-79-1) Kepone (143-50-0) Lindane (58-89-9) Malathion (121-75-5) MCPA (94-74-6) MCPB (94-81-5) Mecoprop (93-65-2) Metamidophos (10265-92-6) Methoxychlor (72-43-5) Methyl Parathion (298-00-0) Mirex (2385-85-5) Monocrotophos (6923-22-4) Monomethyl-dibromo-diphenyl methane (99688-47-8) Monomethyl-dichloro-diphenyl methane (81167-70-8) Monomethyl-tetrachloro-diphenyl methane (76253-60-6) Paraquat (1910-42-5) Parathion (56-38-2) Perthane (72-56-0) Phosdrin/Mevinphos (7786-34-7) Propethamphos (31218-83-4) Profenophos (41198-08-7) Quinalphos (13593-03-8) Quintozene (82-68-8) Strobane (8001-50-1) Telodrin (297-78-9) Timiperone (DTTB) (57648-21-2) Toxaphene (8001-35-2) 2,4,5- Trichlorophenoxyacetic acid (2,4,5-T), salts, compounds			
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<p>(93-76-5) 2-(2,4,5-Trichlorophenoxy) propionic acid, salts, compounds (93-72-1) Trifluralin (1582-09-8)</p>			
<p>Phthalates Di(ethylhexy) phthalate (DEHP) (117-81-7) Di-n-octyl phthalate (DNOP) (117-84-0) Di-iso-nonyl phthalate (DINP) (28553-12-0) Di-iso-decyl phthalate (DIDP) (26761-40-0) Butyl benzyl phthalate (BBP) (85-68-7) Dibutyl phthalate (DPB) (84-74-2) Di-isobutyl phthalate (DiBP) (84-69-5) 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) (68515-42-4) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) (71888-89-6) 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (68515-50-4) Bis-(2-methoxyethyl) phthalate (DMEP) (117-82-8) Diisopentylphthalate (DIPP) (605-50-5) N-pentyl-isopentyl phthalate (NPIPP) (776297-69-9) Di-n-pentylphthalate (DnPP) (131-18-0) Di-n-hexylphthalate (DnHP) (84-75-3) Dimethylphthalate (131-11-3) Diethylphthalate (84-66-2)</p>	<p>1000 ppm total for each phthalate listed</p>	<p>Jurisdiction: European Union Law: 1999/815/EEC</p>	<p>Analysis of phthalate ester in plastics, by GC-MS or HPLC-DAD (performance-based method)</p>
<p><u>Polychlorinated Biphenyls (PCBs) (1336-36-3)</u></p>	<p>Not detected</p>	<p>Canada: Prohibition of Certain Toxic Substances Regulations 2012 (SOR/2012-285) Switzerland: ChemRRV (Chemikalien-Risikoreduktionsverordnung) Art. 3 Appendix 1.1 European Union POPs Regulation (EC) No. 850/2004 Annex I</p>	<p>USEPA 3550 Hexane: Acetone (1:1) extraction followed by GC/MS or GC/ECD analysis</p>

<p><u>Polychlorinated Terphenyls (PCTs) (No CAS #)</u></p>	Not detected	<p>Canada: Prohibition of Certain Toxic Substances Regulations 2012 (SOR/2012-285) Switzerland: ChemRRV (Chemikalien-Risikoreduktionsverordnung) Art. 3 Appendix 1.1 European Union POPs Regulation (EC) No. 850/2004 Annex I</p>	<p>USEPA 3550 Hexane: Acetone (1:1) extraction followed by GC/MS or GC/ECD analysis</p>
<p><u>Polycyclic aromatic hydrocarbons (PAHs)</u> Naphthalene (91-20-3) Acenaphthylene (208-96-8) Acenaphthene (83-32-9) Fluorene (86-73-7) Phenanthrene (85-01-8) Anthracene (120-12-7) Fluoranthene (206-44-0) Pyrene (129-00-0) Benzo(a)anthracene (56-55-3) Chrysene (218-01-9) Indeno (1,2,3-cd) pyrene (193-39-5) Benzo(b)fluoranthene (205-99-2) Benzo(k)fluoranthene (207-08-9) Benzo(a)pyrene (50-32-8) Dibenzo(a,h)anthracene (53-70-3) Benzo(g,h,i)perylene (191-24-2) Benzo(e)pyrene (192-97-2) Benzo(j)fluoranthene (205-82-3) Benzo(r,s,t)pentaphene (189-55-9) Dibenz(a,h)acridine (226-36-8) Dibenz(a,j)acridine (224-42-0) Dibenzo(a,e)fluoranthene (5385-75-1) Dibenzo(a,e)pyrene (192-65-4) Dibenzo(a,h)pyrene (189-64-0) Dibenzo(a,l)pyrene (191-30-0) 7H-Dibenzo(c,g)carbazole (194-59-2)</p>	Not detected	PMI Policy	ZEK 01.4-8

7,12-Dimethylbenz(a)anthracene (57-97-6) 3-Methylcholanthrene (56-49-5) 5-Methylchrysene (3697-24-3) 1-Nitropyrene (5522-43-0)			
PVC Polyvinyl Chloride	Not detected	PMI Policy	Qualitative presence of PVC. (STR Method) FTIR in accordance with STR SOP TE005
Sensitizing Disperse Dyes Disperse Blue 1 (2475-45-8) Disperse Blue 35 (12222-75-2) Disperse Blue 106 (1223-01-7) Disperse Blue 124 (61951-51-7) Disperse Orange 3 (730-40-5) Disperse Red 1 (2872-52-8) Disperse Orange 37/59/76 (13301-61-6)	Not detected	Jurisdiction: European Union and Japan Law: Proposal for a Directive of the European Parliament and of the Council amending for the 24 th time Council Directive 76/769/EEC Japanese Law 112	DIN NMP 512 WD Disperse Dyes Draft [test method detection limit is 5 mg/L in extract (Germany: German Food and Feed Commodities Law §30(LFGB §30) Test Method: §64LFGB B83.02-10
Short Chain Chlorinated Paraffins (SCCP) with C10– C13 (85535-84-8)	Not detected	European Union POPs Regulation (EC) No. 850/2004, Annex I REACH SVHC (Substances of Very High Concern)	Solvent extraction, followed by GC/ECD analysis and GC/MS confirmation
Volatile Organics Pentachloroethane (76-01-7) Tetrachloromethane (Carbon tetrachloride) (56-23-5) 1,1,1,2-Tetrachloroethane (630-20-6) 1,1,2,2-Tetrachloroethane (79-34-5) 1,1,1-Trichloroethane (71-55-6) 1,1,2-Trichloroethane (79-00-5) 1,1-Dichloroethylene (75-35-4) Trichloroethylene (79-01-6)	1000 ppm	Germany – Chemikalienverbot Verordnung (Prohibition of Chemicals Ordinance), section 16 European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Headspace GC/MS

Tetrachloroethylene (127-18-4)		DIN CEN ISO/TS 16189-2013	
<p><u>Class 1 Ozone Depleting Substances</u> CFCs (chlorofluorocarbons) CFC-11 (CCl3F) Trichlorofluoromethane (75-69-4) CFC-12 (CCl2F2) Dichlorodifluoromethane (75-71-8) CFC-113 (C2F3Cl3) 1,1,2-Trichlorotrifluoroethane (76-13-1) CFC-114 (C2F4Cl2) Dichlorotetrafluoroethane (76-14-2) CFC-115 (C2F5Cl) Monochloropentafluoroethane (76-15-3) CFC-13 (CF3Cl) Chlorotrifluoromethane (75-72-9) CFC-111 (C2FCl5) Pentachlorofluoroethane (354-56-3) CFC-112 (C2F2Cl4) Tetrachlorodifluoroethane (76-12-0) CFC-211 (C3FC17) Heptachlorofluoropropane (422-78-6) CFC-212 (C3F2Cl6) Hexachlorodifluoropropane (3182-26-1) CFC-213 (C3F3Cl5) Pentachlorotrifluoropropane (2354-06-5) CFC-214 (C3F4Cl4) Tetrachlorotetrafluoropropane (29255-31-0) CFC-215 (C3F5Cl3) Trichloropentafluoropropane (4259-43-2) CFC-216 (C3F6Cl2) Dichlorohexafluoropropane (661-97-2) CFC-217 (C3F7Cl) Chloroheptafluoropropane (422-86-6) Halon 1211 (CF2ClBr) Bromochlorodifluoromethane (353-59-3) Halon 1301 (CF3Br) Bromotrifluoromethane (75-63-8) Halon 2402 (C2F4Br2) Dibromotetrafluoroethane (124-73-2) Tetrachloromethane (Carbon tetrachloride) (56-23-5) Methyl Chloroform (C2H3Cl3) 1,1,1-Trichloroethane (71-55-6) Methyl Bromide (CH3Br) (74-83-9) Dibromofluoromethane (CH2FBr2) (75-61-6) CH2BrCl Chlorobromomethane CH2FBr Bromofluoromethane C2HFBr4 Tetrabromofluoroethane C2HF2Br3 Tribromodifluoroethane C2HF3Br2 Dibromotrifluoroethane C2HF4Br Bromotetrafluoroethane C2H2FBr3 Tribromofluoroethane C2H2F2Br2 Dibromodifluoroethane</p>	Not detected	U.S. EPA Clean Air Act Section 610	

C2H2F3Br Bromotrifluoroethane
 C2H3FBr2 Dibromofluoroethane
 C2H3F2Br Bromodifluoroethane
 C2H4FBr Bromofluoroethane
 C3HFBr6 Hexabromofluoropropane
 C3HF2Br5 Pentabromodifluoropropane
 C3HF3Br4 Tetrabromotrifluoropropane
 C3HF4Br3 Tribromotetrafluoropropane
 C3HF5Br2 Dibromopentafluoropropane
 C3HF6Br Bromohexafluoropropane
 C3H2FBr5 Pentabromofluoropropane
 C3H2F2Br4 Tetrabromodifluoropropane
 C3H2F3Br3 Tribromotrifluoropropane
 C3H2F4Br2 Dibromotetrafluoropropane
 C3H2F5Br Bromopentafluoropropane
 C3H3FBr4 Tetrabromofluoropropane
 C3H3F2Br3 Tribromodifluoropropane
 C3H3F3Br2 Dibromotrifluoropropane
 C3H3F4Br Bromotetrafluoropropane
 C3H4FBr3 Tribromofluoropropane
 C3H4F2Br2 Dibromodifluoropropane
 C3H4F3Br Bromotrifluoropropane
 C3H5FBr2 Dibromofluoropropane
 C3H5F2Br Bromodifluoropropane
 C3H6FBr Bromofluoropropane

Class 2 Ozone Depleting Substances

Hydrochlorofluorocarbons (HCFCs)
 HCFC-21 (CHFCI₂) Dichlorofluoromethane (75-43-4)
 HCFC-22 (CHF₂Cl) Monochlorodifluoromethane (75-45-6)
 HCFC-31 (CH₂FCI) Monochlorofluoromethane (593-70-4)
 HCFC-121 (C₂HFCI₄) Tetrachlorofluoroethane (354-14-3)
 HCFC-122 (C₂HF₂CI₃) Trichlorodifluoroethane (354-21-2)
 HCFC-123 (C₂HF₃CI₂) Dichlorotrifluoroethane (306-83-2)
 HCFC-124 (C₂HF₄CI) Monochlorotetrafluoroethane (2837-89-0)
 HCFC-131 (C₂H₂FCI₃) Trichlorofluoroethane (359-28-4)
 HCFC-132b (C₂H₂F₂CI₂) Dichlorodifluoroethane (1649-08-7)
 HCFC-133a (C₂H₂F₃CI) Monochlorotrifluoroethane (75-88-7)

<p>HCFC-141b (C2H3FCI2) Dichlorofluoroethane (1717-00-6) HCFC-142b (C2H3F2CI) Monochlorodifluoroethane (75-68-3) HCFC-221 (C3HFCl6) Hexachlorofluoropropane (422-26-4) HCFC-222 (C3HF2CI5) Pentachlorodifluoropropane (422-49-1) HCFC-223 (C3HF3CI4) Tetrachlorotrifluoropropane (422-52-6) HCFC-224 (C3HF4CI3) Trichlorotetrafluoropropane (422-54-8) HCFC-225ca (C3HF5CI2) Dichloropentafluoropropane (422-56-0) HCFC-225cb (C3HF5CI2) Dichloropentafluoropropane (507-55-1) HCFC-226 (C3HF6CI) Monochlorohexafluoropropane (431-87-8) HCFC-231 (C3H2FCI5) Pentachlorofluoropropane (421-94-3) HCFC-232 (C3H2F2CI4) Tetrachlorodifluoropropane (460-89-9) HCFC-233 (C3H2F3CI3) Trichlorotrifluoropropane (7125-84-0) HCFC-234 (C3H2F4CI2) Dichlorotetrafluoropropane (425-94-5) HCFC-235 (C3H2F5CI) Monochloropentafluoropropane (460-92-4) HCFC-241 (C3H3FCI4) Tetrachlorofluoropropane (666-27-3) HCFC-242 (C3H3F2CI3) Trichlorodifluoropropane (460-63-9) HCFC-243 (C3H3F3CI2) Dichlorotrifluoropropane (460-69-5) HCFC-244 (C3H3F4CI) Monochlorotetrafluoropropane HCFC-251 (C3H4FCI3) Monochlorotetrafluoropropane (421-41-0) HCFC-252 (C3H4F2CI2) Dichlorodifluoropropane (819-00-1) HCFC-253 (C3H4F3CI) Monochlorotrifluoropropane (460-35-5) HCFC-261 (C3H5FCI2) Dichlorofluoropropane (420-97-3) HCFC-262 (C3H5F2CI) Monochlorodifluoropropane (421-02-03) HCFC-271 (C3H6FCI) Monochlorofluoropropane (430-55-7)</p>			
<p><u>Other substances voluntarily restricted by PMI:</u> 1,2,4-Trichlorobenzene (120-82-1) 1,2,4,5-Tetrachlorobenzene (95-94-3) 2,4,5-Trichlorophenol (95-95-4) 4-Bromophenyl phenyl ether (101-55-3) Dibenzofuran (132-64-9) Hexachlorobutadiene (87-68-3) Hexachloroethane (67-72-1) Pendimethalin (40487-42-1)</p>	<p>Not detected</p>	<p>PMI Policy</p>	<p>U.S. EPA Method 8270</p>

Pentachlorobenzene (608-93-5)			
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Packaging

Restricted Substance List or Group Name (CAS #):	PMI Restricted Limit	Source of Legislated Limit	Test Method
<u>Class 1 Substances</u> Hydrochlorofluorocarbons (HCFCs) Chlorofluorocarbons (CFCs)	Not detected	Jurisdiction: United States Law: CFR – Title 49, Parts 100-199; Title 14, Parts 100-199	GC/MS
<u>Formaldehyde</u> Polybag	Not detected	Jurisdiction: Japan Law: Law for the control of household products containing harmful substances. Law 112. CONEG Toxics in Packaging Requirements	JIS L1041 (Law 112)
<u>Heavy Metals in Packaging</u> Intentional Introduction Incidental Concentration Cadmium (Cd) (7440-43-9) Chromium VI (Cr) (18540-29-9) Lead (Pb) (7439-92-1) Mercury (Hg) (7439-97-6)	Not detected 100 ppm cumulative total of all Heavy Metals Listed	CONEG Toxics in Packaging Requirements	ASTM E1645/1613 Modified – Analyzed by ICP. NERC Toxics in Packaging: State Legislation Edition 2004
<u>PVC</u> Polyvinyl Chloride	Not detected	PMI Policy	Beilstein test for screening FTIR for confirmation
<u>Pesticides</u> Aldicarb (16-06-3) Aldrin (309-00-2) Azinophosmethyl (86-50-0) Azinophosethyl (2642-71-9)	30 mg/kg 30 mg/kg total for all Pesticides listed	Jurisdiction: Japan Law: Law for the control of household products containing harmful substances; law no. 112, October 12, 1973. Partially amended in	US EPA Methods: 8081A/8151A [RL=0.5]

<p>Bromophos-ethyl (4824-78-6) Captafol (2425-06-1) Carbaryl (63-25-2) Chlordane (57-74-9) Chlorodimeform (6164-98-3) Chlorfenvinphos (470-90-6) Coumaphos (56-72-4) Cyfluthrin (68359-37-5) Cyhalothrin (91465-08-6) Cyermethrin (52315-07-8) DEF (78-48-8) Deltamethrin (52918-63-5) 1,2 Dibromo-3-Chloropane (DBCP) (92-12-6) p,p-Dichlorodiphenyl-dichloroethane (p,p-DDD) (72-54-8) o,p- Dichlorodiphenyl-dichloroethane (o,p-DDD) (53-19-0) p,p- Dichlorodiphenyl-dichloroethylene (p,p-DDE) (72-55-9) o,p-Dichlorodiphenyl- dichloroethylene (o,p-DDE)(3424-82-6) p,p- Dichlorodiphenyl-trichloroethane (p,p-DDT) (50-29-3) o,p- Dichlorodiphenyl-trichloroethane (o,p-DDT)(789-02-6) 2,4-Dichlorophenoxy-acetic acid, its salts and compounds (97-75-7) Diazinon (333-41-5) Dichlorprop (120-36-2) Dicrotophos (141-66-2) Dicofol (115-32-2) Dieldrin (60-57-1) Dimethoate (60-51-5) Dinoseb and salts (88-85-7) Endosulfan (Thiosulfan) (115-29-7) Endrin (72-20-8) Ethylene Dibromide (EDB) (106-93-4) Esfenvalerate (66230-04-4) Fenvalerate (51630-58-1) Hexachlorobenzene (118-74-1) Hexachlorocyclohexane (HCH), all isomers (608-73-1) Heptachlor (76-44-8) Heptachlor epoxide (1024-57-3) Isodrin (465-73-6)</p>		1978 and 1981.	
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Kelevan (4234-79-1) Kepone (143-50-0) Lindane (58-89-9) Malathion (121-75-5) MCPA (94-74-6) MCPB (94-81-5) Mecoprop (93-65-2) Metamidophos (10265-92-6) Methoxychlor (72-43-5) Methyl Parathion (298-00-0) Mirex (2385-85-5) Monocrotophos (6923-22-4) Monomethyl-dibromo-diphenyl methane (99688-47-8) Monomethyl-dichloro-diphenyl methane (81167-70-8) Monomethyl-tetrachloro-diphenyl methane (76253-60-6) Paraquat (1910-42-5) Parathion (56-38-2) Perthane (72-56-0) Phosdrin/Mevinphos (7786-34-7) Propethamphos (31218-83-4) Profenophos (41198-08-7) Quinalphos (13593-03-8) Quintozene (82-68-8) Strobane (8001-50-1) Telodrin (297-78-9) Timiperone (DTTB) (57648-21-2) Toxaphene (8001-35-2) 2,4,5- Trichlorophenoxyacetic acid (2,4,5-T), salts, compounds (93-76-5) 2-(2,4,5-Trichlorophenoxy) propionic acid, salts, compounds (93-72-1) Trifluralin (1582-09-8)			
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Liquids

Restricted Substance List or Group Name (CAS #):	PMI Restricted Limit	Source of Legislated Limit	Test Method
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<u>Biological Organisms</u> Ecoli/Salmonella Pseudomonas aeruginosa Staphylococcus aureus Clostridia species Candida albican Bile tolerant Gram negative bacteria	Not detected	Jurisdiction: United States	USP 51 USP 61/62
<u>Hazardous Liquids Chemical</u>	Not detected	Jurisdiction: United States Law: 16 CFR 1500.231	16 CFR 1500.231