

# Health Product Summary

## 5055 Wall Guard

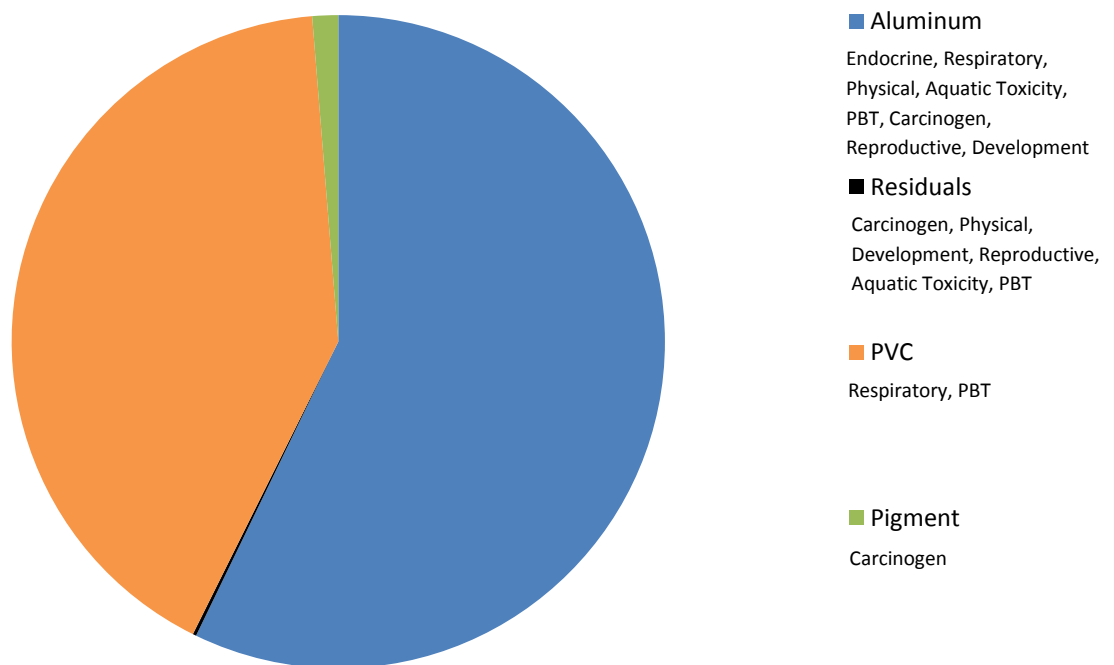
InPro Corporation® is dedicated to making sustainable decisions based on the triple bottom line of community, environmental and economic impacts. Product transparency is one part of our commitment to becoming more sustainable. Evidence of this commitment is witnessed in our participation as a pilot manufacturer and founding member of the Health Product Declaration Collaborative program in 2012.

The 5055 Wall Guard is 4" high and is used to protect walls from carts, wheelchairs and other equipment. The wall guard is comprised of an extruded aluminum retainer, extruded vinyl cover, internal recycled extruded bumper and a decorative accent strip. Accessories include molded end caps and corners.

The HPD format allows us, as manufacturers, to communicate important data in a consistent and transparent manner. In turn, consumers can make better informed decisions about specifying, purchasing, installing and using our building products.

The graphic below is meant to aid in putting the data found within the following HPD into perspective\*. We encourage you to look further into the data in order to understand risks associated with utilizing our product. We pursue safe manufacturing practices during the production of these products. We are dedicated to engaging our supply chain to further improve our high quality products. Consumer feedback is encouraged. For more information about our commitment to sustainability and transparency, visit [www.inprocorp.com](http://www.inprocorp.com).

Product Content (% by weight) and Corresponding Potential Human Health Hazard(s)-5055WG



\*We derived this graph from detailed information found within the complete HPD.

Name **5055 Wall Guard**  
 Product ID 5055WG  
 Website <http://www.inprocorp.com>  
 Manufacturer InPro Corporation  
 Address S80 W18766 Apollo Drive  
 Address Line 2  
 City, State, Code Muskego, WI 53150

Classification 10 26 00  
 Contact Name Amanda Goetsch  
 Title Environmental Sustainability Man:  
 Phone 262-679-9010  
 Email agoetsch@inprocorp.com



Description The 5055 Wall Guard is 4" high and is used to protect walls from carts, wheelchairs and other equipment. The wall guard is comprised of an extruded aluminum retainer, extruded vinyl cover, internal recycled extruded bumper and a decorative accent strip. Accessories include molded end caps and corners.

Release Date  Self-declared  
 Expiry Date  Second Party Certifier N/A  
 HPD URL  Third Party Certificate #

**SUMMARY**

The content of this product was assessed for health hazard warnings as required using pharos

Residuals Disclosure Full Disclosure of Intentional Ingredients  Yes  No  
 Measured 100 ppm (ideal) Full Disclosure of Known Hazards  Yes  No  
 Measured 1000 ppm Disclosure Notes  
 Predicted by process chemistry Contents and disclosures have been determined by using supplier's Material Safety Data Sheets (MSDS).  
 As per MSDS (1,000 & 10,000 ppm)  
 Not disclosed  
 Other

Contents in Descending Order of Quantity (if the area below is full, refer to the following pages for additional listings)

Aluminum, Proprietary Additives, Polyvinyl Chloride, Zinc, Copper, Magnesium, Pigment Ingredient, Pigment Ingredient, Pigment Ingredient, Pigment Ingredient, Pigment Ingredient, Organotin or Calcium-Zinc, Silicon, Iron, Chromium, Chrome Antimony Titanate Buff Ruttle (pigment ingredient), Carbon Black (pigment ingredient), Chromium (III) Compound (pigment ingredient), Chromium (III) Compound (pigment ingeredient), Copper Dusts (pigment ingredient), Carbon Black (pigment ingredient), Chrome Antimony Titanate Buff Ruttle (pigment ingredient), Carbon Black (pigment ingredient), Chromium (III) Compounds (pigment ingredient), Manganese, Beryllium (aluminum residual), Beryllium (aluminum residual), Lead (aluminum residual), Lead (aluminum residual), Lead (aluminum residual), Cadmium (aluminum residual), Cadmium (aluminum residual), Cadmium (aluminum

Hazards Highest concern GreenScreen score - Benchmark 1  
 PBT  Development  Neurotoxicity  Land toxicity  Multiple  
*(Persistent and Bioaccumulative Toxic)*  Reproductive  Mammal  Physical hazard  Unknown  
 Cancer  Endocrine  Skin or Eye  Global warming  
 Gene mutation  Respiratory  Aquatic toxicity  Ozone depletion

Total VOC Content  
 Material (g/l) Does the product contain exempt VOCs?  N/A  Yes  No  
 Regulatory (g/l) Are VOC-free tints available?  N/A  Yes  No  
 Content Notes

Certifications and Compliance (if the area below is full, refer to the following pages for additional listings)

VOC Emissions GREENGUARD Certified; GREENGUARD Gold VOC Content

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit

**CONTENT IN DESCENDING ORDER OF QUANTITY**

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at GS: GreenScreen Benchmark; RC: Recycled Content, PC: Post Consumer, PI: Post Industrial (Pre-consumer), BO: Both post industrial and post consumer; Nano: comprised of nanoscale particles or nanotechnology.

Ingredient Name	number	% Weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						

Aluminum	7429-90-5	44 - 54%	P1	PC	No	Aluminum Component
Endocrine	TEDX - Potential Endocrine Disruptor					
Respiratory	AOEC - Asthagen (ARs) - sensitizer-induced - inhalable forms only					
Physical hazard	EC-CLP/GHS - H250 Catches fire spontaneously if exposed to air					
Physical hazard	EC-CLP/GHS - H228 Flammable solid					
Physical hazard	EC-CLP/GHS - H261 In contact with water releases flammable gases					
The handrail is comprised of an extruded aluminum retainer and extruded vinyl cover. Molded returns, corner and brackets are accessories that complete the product installation. Percent range is 43.58% to 53.60%.						

Proprietary Additives	Unknown	32.3%	U	No	No	Vinyl Component
Respiratory	AOEC - Asthagen (ARs) - sensitizer-induced					
Component is listed as proprietary on MSDS; CAS number is not provided on MSDS; it is listed as Mixture. Supplier has provided the hazard information.						

Polyvinyl Chloride	9002-86-2	13.8%	U	No	No	Vinyl Component
Respiratory	AOEC - Asthagen (ARs) - sensitizer-induced					

Zinc	7440-66-6	.054-4.42	U	No	No	Aluminum component
Aquatic toxicity	EC-CLP/GHS - H400 - Aquatic Acute 1 - Very toxic to aquatic life					
Aquatic toxicity	EC-Risk Phrases - R50: Very toxic to aquatic organisms.					
Aquatic toxicity	EC-CLP/GHS - H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					
Physical hazard	EC-CLP/GHS - H250 Catches fire spontaneously if exposed to air					
Physical hazard	EC-CLP/GHS - H260 In contact with water releases flammable gases which may ignite spontaneously					
Percentage range is .007-5.64%						

Copper	7440-50-8	.027-3.77	U	No	No	Aluminum component
None Found	There are no hazards listed for this material					
percentage range is .034-4.76%						

Magnesium	7439-95-4	.027-3.23	U	No	No	Aluminum component
Physical hazard	EC-CLP/GHS - H250 Catches fire spontaneously if exposed to air					
Physical hazard	EC-CLP/GHS - H260 In contact with water releases flammable gases which may ignite spontaneously					

Pigment Ingredient		Unknown	1-2%		No	No	Colorant for vinyl
Unknown		This listing applies to the following colors: Antique White, Beige, Bliss, Burlap, Cactus, Camelback, Caramel, Cardinal Light, Chamos, Chino, Cinnabar, Clamshell, Clay Bisque, Crème Brulee, Crystal Jade, Dove Gray, Dover White, Eggshell, Feather, Graystone, Green Tea, Haze, Honeydew, Ivory, Khaki Brown, Kiwi, Linen, Merlot Light, Mocassin, Monterey, Oatmeal, Palm, Papaya, Penny, Peony, Pepperdust, Petal, Popcorn, Rattan, Sand Dune, Sandstone, Seagrass, Sharkskin, Silver, Soleil, Sprout, Taupe, Whisper and Wood Drift. No CAS number was provided on the supplier's MSDS sheet.					
Pigment Ingredient		Unknown	1-2%				Colorant for vinyl
Unknown		This listing applies to the the following colors: Black, Cadet Blue Light, Concord, English Green, Evergreen, French Roast, Hunter Green, Morning Sage, Pewter Gray, Purple Haze Light, Seascape Light, Serenity Light, Skylight Light, Storm Cloud and Thistle. No CAS number was provided on the supplier's MSDS sheet.					
Pigment Ingredient		Unknown	1-2%				Colorant for vinyl
		This listing applies to the following colors: Aruba, Baja Blue, Buoyant Blue, Cameo, Fresh Air, Light Beige, Luna Blue and Windsurf. No CAS number was provided on the supplier's MSDS sheet.					
Pigment Ingredient		Unknown	1-2%				Colorant for vinyl
		This listing applies to the following colors: April Jade, Boston/Cherry/Chestnut, Brittany Blue, CabernetCashew, Celtic Sea, Designer White, Key Largo, Koko, Periwinkle, Point Blue, Veranda and Wildrose. No CAS number was provided on the supplier's MSDS sheet.					
Pigment Ingredient		Unknown	1-2%				Colorant for vinyl
		This listing applies to the following colors: Castle, Shiprock, Slate, Smokey, Tempest and Truffle. No CAS number was provided on the supplier's MSDS sheet.					
Pigment Ingredient		Unknown	1-2%				Colorant for vinyl
		This listing applies to the following colors: Dark Brown, Sea Salt, Sterling, No CAS number was provided on the supplier's MSDS sheet.					
Pigment Ingredient		Unknown	1-2%				Colorant for vinyl
		This listing applies to the following colors: Daybreak and White Sand. No CAS number was provided on the supplier's MSDS sheet.					
Organotin or Calcium-Zinc		n/a	2.3%				Vinyl Component
Unknown		German FEA - Substances Hazardous to Waters (VwVws) (Pharos Lists this as "Restricted List" not					
PBT		EC/Oslo-Paris Conv - Priority PBTs & EDs & equivalent concern (OSPAR)					
		CAS number is not provided on supplier's MSDS; it is listed as a mixture. Supplier has provided hazard information.					
Silicon		7440-21-3	.054-.54%		No	No	Aluminum component
None Found		There are no hazards listed for this material					
Iron		7439-89-6	.054-.54%		No	No	Aluminum component
None Found		There are no hazards listed for this material					
Chromium		7440-47-3	.027-.19%	U	No	No	Aluminum component
Respiratory		AOEC - Asthmagen (ARs) - sensitizer-induced					
Respiratory		AOEC - Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
Chrome Antimony Titanate Buff Ruttle (pigment		68186-90-3	0.2%		No	No	Colorant for vinyl
None Found		There are no hazards listed for this material					

This listing applies to the following colors: Antique White, Beige, Bliss, Burlap, Cactus, Camelback, Caramel, Cardinal Light, Chamos, Chino, Cinnabar, Clamshell, Clay Bisque, Crème Brulee, Crystal Jade, Dove Gray, Dover White, Eggshell, Feather, Graystone, Green Tea, Haze, Honeydew, Ivory, Khaki Brown, Kiwi, Linen, Merlot Light, Mocassin, Monterey, Oatmeal, Palm, Papaya, Penny, PEony, Pepperdust, Petal, Popcorn, Rattan, Sand Dune, Sandstone, Seagrass, Sharkskin, Silver, Soleil, Sprout, Taupe, Whisper and Wood Drift.

Carbon Black (pigment ingredient)	1333-86-4	0.2%	BM1	No	No	Colorant for vinyl
Cancer	NIOSH-C - Occupational carcinogen					
Cancer	Prop 65 - Cancer (airborne particles of respirable size - occupational setting)					
Cancer	IARC - Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources					
Cancer	MAK - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
This listing applies to the the following colors: Black, Cadet Blue Light, Concord, English Green, Evergreen, French Roast, Hunter Green, Morning Sage, Pewter Gray, Purple Haze Light, Seascape Light, Serenity Light, Skylight Light, Storm Cloud and Thistle.						

Chromium (III) Compound (pigment ingredient)	1308-38-9	0.2%		No	No	Colorant for vinyl
None Found	There are no hazards listed for this material					
This listing applies to the following colors: Dark Brown, Sea Salt, Sterling,						

Chromium (III) Compound (pigment ingredient)	1308-38-9	0.2%		No	No	Colorant for vinyl
None Found	There are no hazards listed for this material					
This listing applies to the following colors: Daybreak and White Sand.						

Copper Dusts (pigment ingredient)	68186-91-4	0.2%		No	No	Colorants for vinyl
None Found	There are no hazards listed for this material					
This listing applies to the following colors: Aruba, Baja Blue, Buoyant Blue, Cameo, Fresh Air, Light Beige, Luna Blue and Windsurf.						

Carbon Black (pigment ingredient)	1333-86-4	0.2%	BM1	No	No	Colorant for vinyl
Cancer	NIOSH-C - Occupational carcinogen					
Cancer	Prop 65 - Cancer (airborne particles of respirable size - occupational setting)					
Cancer	IARC - Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources					
Cancer	MAK - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
This listing applies to the following colors: Castle, Shiprock, Slate, Smokey, Tempest and Truffle.						

Chrome Antimony Titanate Buff Ruttle (pigment)	68186-90-3	0.2%		No	No	Colorants for vinyl
None Found	There are no hazards listed for this material					

Carbon Black (pigment ingredient)	1333-86-4	0.2%	BM1	No	No	Colorant for vinyl
Cancer	NIOSH-C - Occupational carcinogen					
Cancer	Prop 65 - Cancer (airborne particles of respirable size - occupational setting)					
Cancer	IARC - Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources					
Cancer	MAK - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
This listing applies to the following colors: Dark Brown, Sea Salt, Sterling,						

Chromium (III) Compounds (pigment ingredient)	1308-38-9	0.2%		No	No	Colorant for vinyl
None Found	There are no hazards listed for this material					
This listing applies to the following colors: Dark Brown, Sea Salt, Sterling,						

Manganese	7439-96-5	<0.65%	P1	No	No	Aluminum component
Endocrine	TEDX Potential Endocrine Disruptor - less than three studies					
Percent range is 0.00549-0.6464%						

Beryllium (aluminum residual)		7440-41-7	residual	BM1	No	No	Aluminum residual
Cancer	IARC - Group 1: Agent is carcinogenic to humans						
Cancer	NTP-RoC - Known to be Human Carcinogen						
Cancer	EPA-C - (1996) Known/likely human carcinogen						
Cancer	EPA-C - (1986) Group B1 - Probable human carcinogen						
Cancer	Prop 65 - Cancer						
Cancer	EU CMR (1) - Carcinogen Category 2 - Substances which should be regarded as if they are carcinogenic to						
Cancer	EU R-Phrases - R49: May cause cancer by inhalation						
Cancer	NIOSH-C - Occupational carcinogen						
Cancer	EU H-Statements - H350i May cause cancer by inhalation						
Cancer	MAK - Carcinogen Group 1						

Lead (aluminum residual)		7439-92-1	Residual	BM1	No	No	Aluminum residual
PBT	NWMP Priority -Priority PBT						
PBT	EPA PBT- Priority PBT						
PBT	WA PBT - PBT						
PBT	OR P3 - Priority Persistent Pollutant - Tier 1						
PBT	TRI PBT – PBT						
PBT	OSPAR - PBT - Chemical for Priority Action						
Cancer	EPA-C - (1986) Group B2 - Probable human carcinogen						
Cancer	Prop 65 – Cancer						
Cancer	NTP-RoC - Reasonably Anticipated to be Human Carcinogen						
Cancer	MAK - Carcinogen Group 2 - Considered to be carcinogenic for man						
Development	Prop 65 - Developmental toxicity						
Reproductive	Prop 65 – Female reproductive toxicity						
Reproductive	Prop 65 - Male reproductive toxicity						
Development	NTP-RoC - Reasonably Anticipated to be Human Carcinogen						
Endocrine	MAK - Carcinogen Group 2 - Considered to be carcinogenic for man						

Cadmium (aluminum residual)		7440-43-9	Residual	BM1	No	No	Aluminum residual
PBT	NWMP Priority - Priority PBT						
PBT	WA PBT – PBT						
PBT	OR P3 - Priority Persistent Pollutant - Tier 1						
PBT	OSPAR - PBT - Chemical for Priority Action						
Cancer	IARC - Group 1: Agent is carcinogenic to humans						
Cancer	NTP-RoC - Known to be Human Carcinogen						
Cancer	EPA-C - (1986) Group B1 - Probable human carcinogen						
Cancer	Prop 65 – Cancer						
Cancer	EU CMR (1) - Carcinogen Category 2 - Substances which should be regarded as if they are carcinogenic to						
Cancer	EU R-Phrases - R45: May cause cancer						
Cancer	EU H-Statements - H350 May cause cancer						
Cancer	NIOSH-C - Occupational carcinogen						
Cancer	MAK - Carcinogen Group 1 - Substances that cause cancer in man						
Development	Prop 65 - Developmental toxicity						
Reproductive	Prop 65 - Male reproductive toxicity						

Nickel (aluminum residual)		7440-02-0	Residual	BM1	No	No	Aluminum residual
Cancer	Prop 65 – Cancer						
Cancer	NTP-RoC - Reasonably Anticipated to be Human Carcinogen						
Cancer	NIOSH-C - Occupational carcinogen						
Cancer	MAK - Carcinogen Group 1 - Substances that cause cancer in man						

Antimony Trioxide (vinyl residual)		1309-64-4	Residual	BM1	No	No	Vinyl residual
Cancer	Prop 65 - Cancer						
Cancer	GHS-Japan - Carcinogenicity - Category 1B						
Arsenic Compounds, Inorganic (vinyl residual)		CMG10016	Residual	BM1	No	No	Vinyl residual
Cancer	IARC - Group 1: Agent is carcinogenic to humans						
Cancer	Prop 65 - Cancer						
Cancer	NIOSH-C - Occupational carcinogen						
Cancer	MAK - Carcinogen Group 1 - Substances that cause cancer in man						
Vinyl Chloride Monomer (vinyl residual)		75-01-4	Residual	BM1	No	No	Vinyl residual
Cancer	Group 1: Agent is carcinogenic to humans						
Cancer	NTP-RoC - Known to be Human Carcinogen						
Cancer	EPA-C - (1996) Known/likely human carcinogen						
Cancer	EPA-C - (1986) Group A - Human carcinogen						
Cancer	Prop 65 - Cancer						
Cancer	EU CMR (1) - Carcinogen Category 1 - Substances known to be carcinogenic to man						
Cancer	EU R-Phrases - R45: May cause cancer						
Cancer	EU H-Statements - H350 May cause cancer						
Cancer	NIOSH-C - Occupational carcinogen						
Cancer	MAK - Carcinogen Group 1 - Substances that cause cancer in man						
Physical hazard	EU H-Statements) - H220 Extremely flammable gas						
Carbon Black (vinyl residual)		1333-86-4	Residual	BM1	No	No	Vinyl residual
Cancer	NIOSH-C - Occupational carcinogen						
Cancer	Prop 65 - Cancer (airborne particles of respirable size - occupational setting)						
Cancer	IARC - Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources						
Cancer	MAK - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification						
Chromium Compounds (vinyl residual)		CMG10019	Residual	BM1	No	No	Vinyl residual
Cancer	IARC - Group 1: Agent is carcinogenic to humans						
Cancer	Prop 65 - Cancer						
Cancer	EU H-Statements - H350i May cause cancer by inhalation						
Cancer	MAK - Carcinogen Group 1 - Substances that cause cancer in man						
Development	Prop 65 -Developmental toxicity						
Reproductive	Prop 65 - Female reproductive toxicity						
Aquatic toxicity	EU H-Statements – H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects						
Tin, Organic Compounds (vinyl residuals)		CMG10035	Residual	BM1	No	No	Vinyl residual
PBT	OSPAR - PBT - Chemical for Priority Action						

**CERTIFICATIONS AND COMPLIANCE**

**Certifying Party = Self declaration:** Manufacturer's self-declaration; **Independent lab:** Manufacturer's self-declaration using results from an independent lab and declaration of conformance. **Second Party:** Verification by trade association or other interested party; **Third Party:** Verification by independent certifier (ideal).

**Applicable facilities = Manufacturing sites to which testing applies.**

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			Certification & Compliance Notes
VOC Emissions <i>(interior products only)</i>	GREENGUARD Certified; GREENGUARD Gold			UL Environment
	Third Party	12-Mar-2009	12-Mar-2014	
VOC Content <i>(wet applied only)</i>				
Recycled Content				
Other				
Other				
Other				
Other				
Other				
Other				
Other				
Other				



**ACCESSORY MATERIALS**

*This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.*

	Required or recommended product	URL for companion Health Product Declaration
	Condition when required or recommended and/or other notes	
01		
02		
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**NOTES**

Agency/List Abbreviation	Full List Title	Hazard Issuing Agency	URL
AOEC	AOEC Exposure Codes - Asthmagens List	Association of Occupational and Environmental Clinics	<a href="http://www.aoec.org/tools.htm">www.aoec.org/tools.htm</a>
DSL	Canadian Environmental Protection Act (CEPA) - Environmental Registry - Domestic Substances List (DSL)	Environment Canada & Health Canada	<a href="http://www.ec.gc.ca/CEPARRegistry/subs_list/dsl/dslsearch.cfm">www.ec.gc.ca/CEPARRegistry/subs_list/dsl/dslsearch.cfm</a>
EPA Action	Chemicals of Concern Action Plans	US Environmental Protection Agency	<a href="http://www.epa.gov/oppt/existingchemicals/">www.epa.gov/oppt/existingchemicals/</a>
EPA PBT	Priority PBT Profiles	US Environmental Protection Agency	<a href="http://www.epa.gov/opptintr/pbt/pubs/cheminfo.htm">www.epa.gov/opptintr/pbt/pubs/cheminfo.htm</a>
EPA-C	Integrated Risk Information System Database (IRIS)	US Environmental Protection Agency	<a href="http://www.epa.gov/ncea/iris/search_human.htm">www.epa.gov/ncea/iris/search_human.htm</a>
EPA-GW	Global Warming Potentials of Ozone Depletors and Substitutes	US Environmental Protection Agency	<a href="http://www.epa.gov/ozone/geninfo/gwps.html">www.epa.gov/ozone/geninfo/gwps.html</a>
EPA-ODS	Ozone-Depleting Substances (ODS) Class I & Class II	US Environmental Protection Agency	<a href="http://www.epa.gov/spdpublic/science/ods/index.html">www.epa.gov/spdpublic/science/ods/index.html</a>
EU CMR(1)	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP) Dangerous Substances Directive (DSD) REACH Annex XVII	European Commission	<a href="http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2007:136:0003:0280:EN:PDF">eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2007:136:0003:0280:EN:PDF</a>
EU CMR(2)	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP) CMR GHS Categories	European Commission	<a href="http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm">http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm</a>
EU ED	EU Community Strategy for Endocrine Disrupters - Priority List	European Commission	<a href="http://ec.europa.eu/environment/endocrine/strategy/substances_en.htm">ec.europa.eu/environment/endocrine/strategy/substances_en.htm</a>
EU H-Statements	Regulation on the Classification, Labelling & Packaging of Substances & Mixtures (CLP) Annex 6 Table 3-1 - GHS Hazard code criteria	European Commission	<a href="http://ec.europa.eu/enterprise/sectors/chemicals/documents/classification/">ec.europa.eu/enterprise/sectors/chemicals/documents/classification/</a>
EU Ozone	Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer - Controlled substances and new substances	European Commission	<a href="http://ec.europa.eu/environment/ozone/controlled_ods.htm">ec.europa.eu/environment/ozone/controlled_ods.htm</a>
EU PBT	European chemical Substances Information System (ESIS) - PBT List	European Commission	<a href="http://esis.jrc.ec.europa.eu/index.php?PGM=pbt">esis.jrc.ec.europa.eu/index.php?PGM=pbt</a>
EU R-Phrases	Substances with EU Risk & Safety Phrases (Commission Directive 67-548-EEC)	European Commission	<a href="http://ec.europa.eu/enterprise/sectors/chemicals/documents/classification/">ec.europa.eu/enterprise/sectors/chemicals/documents/classification/</a>
EU SVHC	Substances of Very High Concern for authorisation - REACH Annex XIV	European Commission	<a href="http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp">echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp</a>
G&L Neuro	Developmental neurotoxicity of industrial chemicals, List of 201 Chemicals known to be neurotoxic in man	Lancet: authors Philippe Grandjean & Phil Landrigan	not available
IARC	Monographs On the Evaluation of Carcinogenic Risks to Humans	International Agency for Research on Cancer, World Health Organization	<a href="http://monographs.iarc.fr/ENG/Classification/index.php">monographs.iarc.fr/ENG/Classification/index.php</a>
MAK	Occupational Toxicants and MAK Values: Annual Thresholds and Classifications for the Workplace	MAK Commission of Germany	<a href="http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html">http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html</a>
NIOSH-C	NIOSH Carcinogen List	US Centers for Disease Control, National Institute of Occupational Safety and Health	<a href="http://www.cdc.gov/niosh/topics/cancer/npotocca.html">www.cdc.gov/niosh/topics/cancer/npotocca.html</a>

<b>Agency/List Abbreviation</b>	<b>Full List Title</b>	<b>Hazard Issuing Agency</b>	<b>URL</b>
NTP-OHAaT	Expert Panel Reports & Monographs on Reproductive and Developmental Toxicity	US Dept of Health & Human Services, National Toxicology Program (NTP), Office of Health Assessment and Translation	<a href="http://cerhr.niehs.nih.gov/chemicals">cerhr.niehs.nih.gov/chemicals</a>
NTP-RoC	National Toxicology Program (NTP) 12th Report on Carcinogens	US Dept of Health & Human Services	<a href="http://ehis.niehs.nih.gov/roc">ehis.niehs.nih.gov/roc</a>
NWMP Priority	National Waste Minimization Program Priority Chemicals List	US Environmental Protection Agency	<a href="http://www.epa.gov/epawaste/hazard/wastemin/priority.htm">www.epa.gov/epawaste/hazard/wastemin/priority.htm</a>
OR P3	Priority Persistent Pollutant (P3) List	State of Oregon Department of Environmental Quality	<a href="http://www.deq.state.or.us/wq/SB737">www.deq.state.or.us/wq/SB737</a>
OSPAR	OSPAR Convention For The Protection of the Marine Environment of the North-East Atlantic Chemical Lists of Priority Action & Possible Concern	Oslo-Paris Convention Commission	<a href="http://www.ospar.org/content/content.asp?menu=00940304440000_000000_000000">www.ospar.org/content/content.asp?menu=00940304440000_000000_000000</a>
Prop 65	Chemicals Known to the State to Cause Cancer or Reproductive Toxicity - California Proposition 65	State of California Environmental Protection Agency	<a href="http://www.oehha.ca.gov/prop65/prop65_list/Newlist.html">www.oehha.ca.gov/prop65/prop65_list/Newlist.html</a>
San Antonio	San Antonio Statement on Brominated and Chlorinated Flame Retardants	Environmental Health Perspectives	<a href="http://ehp03.niehs.nih.gov/article/info:doi/10.1289/ehp.1003089">ehp03.niehs.nih.gov/article/info:doi/10.1289/ehp.1003089</a>
SIN	SIN (Substitute It Now) List	ChemSec, The International Chemical Secretariat	<a href="http://www.chemsec.org/list">www.chemsec.org/list</a>
Stockholm	Stockholm Convention on Persistent Organic Pollutants (POPs) - Annex A, B & C and under Review	United Nations Environment Programme	<a href="http://chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx">chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx</a>
TEDX	TEDX List of Potential Endocrine Disruptors	The Endocrine Disruption Exchange (TEDX)	<a href="http://www.endocrinedisruption.org">www.endocrinedisruption.org</a>
TRI PBT	TRI PBT Chemical List	US Environmental Protection Agency	<a href="http://www.epa.gov/triinter/trichemicals/pbt%20chemicals/pbt_chem_list.htm">www.epa.gov/triinter/trichemicals/pbt%20chemicals/pbt_chem_list.htm</a>
VwVwS	Administrative Regulation on the Classification of Substances hazardous to waters	German Federal Environment Agency	<a href="http://webrigoletto.uba.de/rigoletto/public/language.do;jsessionid=61D845CE75D839F7658BF283C97DA7E2?language=english">webrigoletto.uba.de/rigoletto/public/language.do;jsessionid=61D845CE75D839F7658BF283C97DA7E2?language=english</a>
WA PBT	Chapter 173-333 WAC Persistent Bioaccumulative Toxins	State of Washington Department of Ecology	<a href="http://apps.leg.wa.gov/WAC/default.aspx?cite=173-333-310">apps.leg.wa.gov/WAC/default.aspx?cite=173-333-310</a>

## Using the HPD Template to create an HPD

The HPD Collaborative has created the HPD Template excel spreadsheet to accompany the Health Product Declaration Standard and facilitate consistent preparation of HPDs. This page provides guidance on how to produce an HPD using the HPD Template spreadsheet. This only covers the mechanics of using the Template. You must refer to the Health Product Declaration Standard for specific directions and definitions of each entry.

**BEFORE YOU START:** Make a copy of the blank spreadsheet before you make entries so that you always have a copy of the blank form to use in the future. Name the one you are going to use something like: "HPD Ajax-Tuff Stuff 121108" (HPD followed by the manufacturer name followed by the product name followed by the date in YYMMDD format)

**Tabs:** The sections of the HPD are organized in the Template spreadsheet using tabs. After filling out each tab independently, the entire worksheet can be printed together.

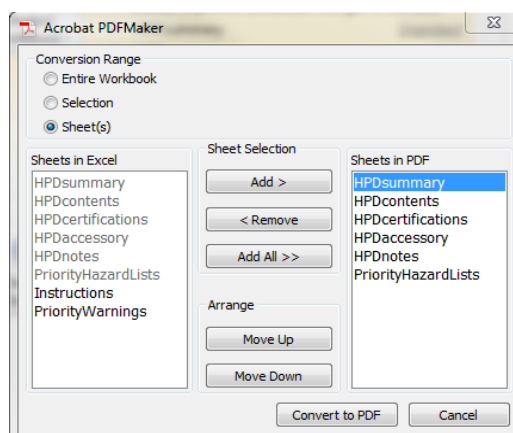
**Document alignment:** Column alignment can vary on different computers and Excel software versions, cross platform compatibility and print format. If the document does not fit properly on a page when first opened, try doing a print preview or view the document in "Page Layout" mode to force it to fit one page wide.

**Copy and paste** can be troublesome in some spaces. If you copy direct into a cell, the font you copy from may be maintained instead of using the template font which can cause formatting troubles. The protected spreadsheet does not allow you to change fonts in the new sheet. Furthermore the Template spreadsheet will refuse to accept some pastes because of merged cells in the format. For either problem, the solution is to just copy into the cell's function box above (next to the "fx") instead of directly into the cell.

**Printing:** Do not distribute the Template spreadsheet. Save the file as a PDF for distribution in order to lock in your answers.

1) **Set the print area of the second worksheet (HPDcontents tab) before creating your PDF.** In order to allow room for products with many warnings and a large number of ingredients, the second worksheet (HPDcontents) is very long (731 lines). Printing this as-is will result in many extra pages for most products. When your HPD is done and ready to print, **select and hide blank lines for Hazard type + Warning** and Notes for entered ingredients and then **set the print area** for the worksheet to only include all of your entered ingredients.

2) **Select the sheets (tabs) to print.** In the File menu, choose Save as PDF, pick "Sheets". Make sure all worksheets except this Instructions worksheet and the PriorityWarnings worksheet are in the "Sheets in PDF" box and are in the order displayed here: HPDsummary; HPDcontents; HPDcertifications; HPDaccessory; HPDnotes; PriorityHazardLists. Then click on the "Convert to PDF" button.



**Adding an extra decimal place to a percentage:** The spreadsheet formats numbers in the percentage field to one decimal place. To enter more decimal places put an underscore in front of the number to override the formatting (e.g., "\_2.54%" or "\_0.95%")

**Mistaken drop down entries:** To delete a drop down entry without selecting another entry hit the delete key while on the field.

**Hints for data entry:** If pop-up boxes with hints for data entry appear to be in the way of the form field, expand the overall Excel window, increase the Zoom percentage of the worksheet, or scroll up or down to relocate it.

**How to find warnings and which warnings to disclose:** The manufacturer may look up the chemicals direct from the hazard sources through the URLs provided in Appendix D – HPD Priority List Sources in the HPD Standard. A simpler solution will be to lookup the chemical and its hazard information in a compilation database that is cross referenced against the HPD Priority Lists. This compilation database may be the manufacturer's own internally developed resource or an externally provided tool. Currently there is one such tool available - the Pharos Project Chemical and Material Library (<http://www.pharosproject.net/material/>). As other service providers offer HPD compliant hazard compilations, the HPD Collaborative will provide references. For information about how to translate the Pharos listings into HPD fields and for information on other service providers see the FAQ section on the HPD Collaborative website ([www.hpdcollaborative.org](http://www.hpdcollaborative.org)).

Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS BM	GS List Typ	GS Hazd Range	GreenScreen Gro
AOEC - Asthmagens	AOEC	Respiratory	Asthmagen (AG) - generally accepted	U	Authoritative	H, M, or L	Group II* Human
	AOEC	Respiratory	Asthmagen (ARr) - irritant-induced	U	Authoritative	H or M	Group II* Human
	AOEC	Respiratory	Asthmagen (ARr) - sensitizer-induced & irritant-induced	U	Authoritative	H or M	Group II* Human
	AOEC	Respiratory	Asthmagen (ARs) - sensitizer-induced	U	Authoritative	H or M	Group II* Human
Environment Canada - Domestic Substances List	DSL	PBT	Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms	P1	Screening	U	Multiple
	DSL	PBT	Persistent, Bioaccumulative and inherently Toxic (PBiT) to humans	P1	Screening	U	Multiple
US EPA - PPT Chemical Action Plans	EPA Action	Multiple	EPA Chemical of Concern - Action Plan published	not assessed by GreenScreen			
	EPA Action	Multiple	TSCA Work Plan chemical - Action Plan in development	not assessed by GreenScreen			
	EPA Action	Multiple	TSCA Work Plan chemical - planned for assessment	not assessed by GreenScreen			
US EPA - PPT Priority PBTs	EPA PBT	PBT	Priority PBT	BM1	Authoritative	U	Multiple
US EPA - IRIS Carcinogens	EPA-C	Cancer	1986 Group A - Human carcinogen	BM1	Authoritative	H	Group I Human
	EPA-C	Cancer	1986 Group B1 - Probable human carcinogen	BM1	Authoritative	H	Group I Human
	EPA-C	Cancer	1986 Group B2 - Probable human carcinogen	BM1	Authoritative	H	Group I Human
	EPA-C	Cancer	1986 Group C - Possible human carcinogen	U	Authoritative	M	Group I Human
	EPA-C	Cancer	1996 Known/likely human carcinogen	BM1	Authoritative	H	Group I Human
	EPA-C	Cancer	1999 Carcinogenic to humans	BM1	Authoritative	H	Group I Human
	EPA-C	Cancer	2005 Carcinogenic to humans	BM1	Authoritative	H	Group I Human
US EPA - Global Warming Potentials	EPA-GW	Global Warming	Global Warming Potential greater than 10,000	not assessed by GreenScreen			
	EPA-GW	Global Warming	Global Warming Potential greater than 1,000	not assessed by GreenScreen			
	EPA-GW	Global Warming	Global Warming Potential greater than 100	not assessed by GreenScreen			
US EPA - Ozone Depleting Substances	EPA-ODS	Ozone Depleting	Ozone-depleting substances - Class I ODP greater than 0.2	not assessed by GreenScreen			
	EPA-ODS	Ozone Depleting	Ozone-depleting substance - Class II ODP less than 0.2	not assessed by GreenScreen			
EC - CLP/GHS CMR Statements	EU CMR (2)	Cancer	Carcinogen 1A	BM1	Authoritative	H	Group I Human
	EU CMR (2)	Cancer	Carcinogen 1B	BM1	Authoritative	H	Group I Human
	EU CMR (2)	Cancer	Carcinogen 2	U	Authoritative	M	Group I Human
	EU CMR (2)	Gene Mutator	Mutagen 1A	BM1	Authoritative	H	Group I Human
	EU CMR (2)	Gene Mutator	Mutagen 1B	BM1	Authoritative	H	Group I Human
	EU CMR (2)	Gene Mutator	Mutagen 2	U	Authoritative	M	Group I Human
	EU CMR (2)	Reproductive	Reproductivity 1A	BM1	Authoritative	H (R and/or D)	Multiple
	EU CMR (2)	Reproductive	Reproductivity 1B	BM1	Authoritative	H (R and/or D)	Multiple
EC - REACH Annex XVII	EU CMR (1)	Cancer	Carcinogen Category 1 - Substances known to be carcinogenic to man	BM1	Authoritative	H	Group I Human
	EU CMR (1)	Cancer	Carcinogen Category 2 - Substances which should be regarded as if they are carcinogenic to man	BM1	Authoritative	H	Group I Human
	EU CMR (1)	Cancer	Carcinogen Category 3 - Substances which possibly are carcinogenic to humans	U	Authoritative	M	Group I Human

Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS BM	GS List Typ	GS Hazd Range	GreenScreen Gro
	EU CMR (1)	Gene Mutator	Mutagen Category 1 - Substances known to be mutagenic to man)	BM1	Authoritative	H	Group I Human
	EU CMR (1)	Gene Mutator	Mutagen Category 2 - Substances which should be regarded as if they are mutagenic to man	BM1	Authoritative	H	Group I Human
	EU CMR (1)	Gene Mutator	Mutagen Category 3 - Substances which possibly are mutagenic to humans	U	Authoritative	M	Group I Human
	EU CMR (1)	Reproductive	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause developmental toxicity in humans	BM1	Authoritative	H (R and/or D)	Multiple
	EU CMR (1)	Reproductive	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause developmental toxicity in humans	BM1	Authoritative	H (R and/or D)	Multiple
	EU CMR (1)	Reproductive	Toxic to Reproduction Category 3 - Substances which possibly impair fertility or cause developmental toxicity to humans	U	Authoritative	M (R and/or D)	Multiple
EC - Priority Endocrine Disrupters	EU ED	Endocrine	Category 1 - In vivo evidence of endocrine disruption activity	P1	Screening	H or M	Group I Human
	EU ED	Endocrine	Category 2 - In vitro evidence of biological activity related to endocrine disruption	P1	Screening	H or M	Group I Human
EC - CLP/GHS Hazard Statements	EU H-Statemer	Ozone Depleti	EUH059: Hazardous to the Ozone Layer	not assessed by GreenScreen			
	EU H-Statemer	Physical Haza	H200 Unstable explosive	U	Authoritative	vH	Reactivity
	EU H-Statemer	Physical Haza	H201 Explosive; mass explosion hazard	U	Authoritative	H	Reactivity
	EU H-Statemer	Physical Haza	H202 Explosive, severe projection hazard	U	Authoritative	H	Reactivity
	EU H-Statemer	Physical Haza	H203 Explosive; fire, blast or projection hazard	U	Authoritative	H	Reactivity
	EU H-Statemer	Physical Haza	H220 Extremely flammable gas.	U	Authoritative	H	Flammability
	EU H-Statemer	Physical Haza	H222 Extremely flammable aerosol	U	Authoritative	H	Flammability
	EU H-Statemer	Physical Haza	H224 Extremely flammable liquid and vapour	U	Authoritative	vH	Flammability
	EU H-Statemer	Physical Haza	H225 Highly flammable liquid and vapour.	U	Authoritative	H	Flammability
	EU H-Statemer	Physical Haza	H228 Flammable solid.	U	Authoritative	H or M	Flammability
	EU H-Statemer	Physical Haza	H240 Heating may cause an explosion	U	Authoritative	vH	Reactivity
	EU H-Statemer	Physical Haza	H241 Heating may cause a fire or explosion	U	Authoritative	vH	Reactivity
	EU H-Statemer	Physical Haza	H242 "Heating may cause a fire."	U	Authoritative	vH, H, or M	Reactivity
	EU H-Statemer	Physical Haza	H250 Catches fire spontaneously if exposed to air	U	Authoritative	H	Flammability
	EU H-Statemer	Physical Haza	H251 Self-heating: may catch fire	U	Authoritative	H	Reactivity
	EU H-Statemer	Physical Haza	H260 In contact with water releases flammable gases which may ignite spontaneously	U	Authoritative	vH	Reactivity
	EU H-Statemer	Physical Haza	H261 In contact with water releases flammable gases.	U	Authoritative	H or M	Reactivity
	EU H-Statemer	Physical Haza	H270 May cause or intensify fire; oxidiser. GAS ONLY	U	Authoritative	H	Reactivity
	EU H-Statemer	Physical Haza	H271 May cause fire or explosion; strong oxidiser	U	Authoritative	vH	Reactivity
	EU H-Statemer	Physical Haza	H272 May intensify fire; oxidiser.	U	Authoritative	H or M	Reactivity
	EU H-Statemer	Mammal	H300 Fatal if swallowed	U	Authoritative	vH	Group II Human
	EU H-Statemer	Mammal	H301 Toxic if swallowed	U	Authoritative	H	Group II Human
	EU H-Statemer	Mammal	H310 Fatal in contact with skin	U	Authoritative	vH	Group II Human
	EU H-Statemer	Mammal	H311 Toxic in contact with skin	U	Authoritative	H	Group II Human
	EU H-Statemer	Skin or Eye	H314 Causes severe skin burns and eye damage	U	Authoritative	vH	Group II Human
	EU H-Statemer	Skin or Eye	H315 Causes skin irritation	U	Authoritative	H	Group II Human
	EU H-Statemer	Skin or Eye	H317 May cause an allergic skin reaction	U	Authoritative	H or M	Group II* Human
	EU H-Statemer	Skin or Eye	H318 Causes serious eye damage	U	Authoritative	vH	Group II* Human
	EU H-Statemer	Skin or Eye	H319 Causes serious eye irritation	U	Authoritative	H	Group II* Human

Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS BM	GS List Typ	GS Hazd Range	GreenScreen Gro
	EU H-Statem	Mammal	H330 Fatal if inhaled	U	Authoritative	vH	Group II Human
	EU H-Statem	Mammal	H331 Toxic if inhaled	U	Authoritative	H	Group II Human
	EU H-Statem	Respiratory	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	U	Authoritative	H or M	Group II* Human
	EU H-Statem	Gene Mutatio	H340 May cause genetic defects	BM1	Authoritative	H	Group I Human
	EU H-Statem	Gene Mutatio	H341 Suspected of causing genetic defects	U	Authoritative	M	Group I Human
	EU H-Statem	Cancer	H350 May cause cancer	BM1	Authoritative	H	Group I Human
	EU H-Statem	Cancer	H350i May cause cancer by inhalation	BM1	Authoritative	H	Group I Human
	EU H-Statem	Cancer	H351 Suspected of causing cancer	U	Authoritative	M	Group I Human
	EU H-Statem	Developmenta	H360D May damage the unborn child	BM1	Authoritative	H	Group I Human
	EU H-Statem	Developmenta	H360Df May damage the unborn child. Suspected of damaging fertility	BM1	Authoritative	H	Group I Human
	EU H-Statem	Reproductive	H360F May damage fertility	BM1	Authoritative	H	Group I Human
	EU H-Statem	Reproductive	H360FD May damage fertility. May damage the unborn child.	BM1	Authoritative	H	Group I Human
	EU H-Statem	Reproductive	H360Fd May damage fertility. Suspected of damaging the unborn child	BM1	Authoritative	H	Group I Human
	EU H-Statem	Developmenta	H361d Suspected of damaging the unborn child	U	Authoritative	M	Group I Human
	EU H-Statem	Reproductive	H361f Suspected of damaging fertility	U	Authoritative	M	Group I Human
	EU H-Statem	Developmenta	H361fd Suspected of damaging fertility. Suspected of damaging the unborn child	BM1	Authoritative	M	Group I Human
	EU H-Statem	Developmenta	H362 May cause harm to breast-fed children	BM1	Authoritative	H	Group I Human
	EU H-Statem	Mammal	H370 Causes damage to organs	U	Authoritative	vH	Group II Human
	EU H-Statem	Mammal	H371 May cause damage to organs	U	Authoritative	H	Group II Human
	EU H-Statem	Mammal	H372 Causes damage to organs through prolonged or repeated exposure	U	Authoritative	H	Group II* Human
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life	U	Authoritative	vH	Ecotoxicity
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 10	U			
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 100	U			
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 1000	U			
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 10000	U			
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 100000	U			
	EU H-Statem	Aquatic	H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 1000000	U			
	EU H-Statem	Aquatic	H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects	P1	Screening	U	Multiple
	EU H-Statem	Aquatic	H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects	P1	Screening	U	Multiple
EC - Ozone depletion substances	EU Ozone	Ozone Depleti	Annex I Group I, II & II & Annex II-A: Chlorofluorocarbons & Halons; ODP .6 & up	not assessed by GreenScreen			
	EU Ozone	Ozone Depleti	Annex I Group IV & VI: Carbon tetrachloride& Methyl Bromide - ODP 0.6 & up)	not assessed by GreenScreen			
	EU Ozone	Ozone Depleti	Annex I Group V & IX : Trichloroethane & Bromochloromethane - ODP 0.2 or less	not assessed by GreenScreen			
	EU Ozone	Ozone Depleti	Annex I Group VII: Hydrobromofluorocarbons - ODP .3 and up	not assessed by GreenScreen			
	EU Ozone	Ozone Depleti	Annex I Group VIII: Hydrochlorofluorocarbons - ODP greater than 0.2	not assessed by GreenScreen			



Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS	BM	GS List Typ	GS Hazd Range	GreenScreen Gro
	EU Ozone	Ozone Depleti	Annex I Group VIII: Hydrochlorofluorocarbons - ODP less than 0.2	not assessed by GreenScreen				
	EU Ozone	Ozone Depleti	Annex II Part B: substances to be reported under Article 27	not assessed by GreenScreen				
EC - ESIS-PBT	EU PBT	PBT	Fulfilling PBT & vPvB Criteria	BM1	Authoritative	U		Multiple
	EU PBT	PBT	Fulfilling PBT & vPvB Criteria & POP	BM1	Authoritative	U		Multiple
	EU PBT	PBT	Fulfilling PBT Criteria	BM1	Authoritative	U		Multiple
	EU PBT	PBT	Fulfilling PBT criteria - action Deferred	BM1				
	EU PBT	PBT	Fulfilling PBT Criteria & POP	BM1				
	EU PBT	PBT	Fulfilling POP Criteria	BM1				
	EU PBT	PBT	Fulfilling vPvB Criteria	BM1				
EC - Risk Phrases	EU R-Phrases	Mammal	R01 Explosive when dry.	U	Authoritative	vH, H, or M		Reactivity
	EU R-Phrases	Mammal	R06 Explosive with or without contact with air.	U	Authoritative	vH, H, or M		Reactivity
	EU R-Phrases	Mammal	R07 May cause fire.	U	Authoritative	vH, H, or M		Reactivity
	EU R-Phrases	Mammal	R09 Explosive when mixed with combustible material.	U	Authoritative	vH		Reactivity
	EU R-Phrases	Mammal	R10 Flammable. LIQUID	U	Authoritative	vH, H, or M		Flammability
	EU R-Phrases	Mammal	R11 Highly flammable.; LIQUID	U	Authoritative	vH or H		Flammability
	EU R-Phrases	Mammal	R12 Gas only	U	Authoritative	H or M		Flammability
	EU R-Phrases	Mammal	R15 Contact with water liberates extremely flammable gases.	U	Authoritative	vH, H, or M		Reactivity
	EU R-Phrases	Mammal	R17 Spontaneously flammable in air.; LIQUID	U	Authoritative	H		Flammability
	EU R-Phrases	Mammal	R20 Harmful by Inhalation (gas or vapor or dust/mist)	U	Authoritative	H or M		Group II Human
	EU R-Phrases	Mammal	R21 Harmful in Contact with Skin	U	Authoritative	H or M		Group II Human
	EU R-Phrases	Mammal	R22 Harmful if Swallowed	U	Authoritative	H or M		Group II Human
	EU R-Phrases	Mammal	R23 Toxic by Inhalation (gas, vapour, dust/mist);	U	Authoritative	vH or H		Group II Human
	EU R-Phrases	Mammal	R24 Toxic in Contact with Skin	U	Authoritative	vH or H		Group II Human
	EU R-Phrases	Mammal	R25 Toxic if Swallowed	U	Authoritative	vH or H		Group II Human
	EU R-Phrases	Mammal	R26: Very toxic by inhalation	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R27: Very toxic in contact with skin.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R28: Very toxic if swallowed.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Skin or Eye	R34 Causes burns	U	Authoritative	vH		Group II Human
	EU R-Phrases	Skin or Eye	R35 Causes severe burns	U	Authoritative	vH		Group II Human
	EU R-Phrases	Skin or Eye	R36 Irritating to eyes	U	Authoritative	H or M		Group II* Human
	EU R-Phrases	Skin or Eye	R38 Irritating to skin	U	Authoritative	H		Group II Human
	EU R-Phrases	Mammal	R39/23 Toxic: Danger of very serious irreversible effects through inhalation.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R39/24 Toxic: Danger of very serious irreversible effects in contact with skin.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R39/25 Toxic: Danger of very serious irreversible effects if swallowed.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R39/26 Very Toxic: Danger of very serious irreversible effects through inhalation.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R39/27 Very Toxic: Danger of very serious irreversible effects in contact with skin.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R39/28 Very Toxic: Danger of very serious irreversible effects if swallowed.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Mammal	R39: Danger of very serious irreversible effects.	U	Authoritative	vH		Group II Human
	EU R-Phrases	Cancer	R40: Limited evidence of a carcinogenic effect	U	Authoritative	M		Group I Human
	EU R-Phrases	Skin or Eye	R41 Risk of serious damage to eyes	U	Authoritative	vH		Group II* Human
	EU R-Phrases	Respiratory	R42 May cause sensitization by inhalation	U	Authoritative	H or M		Group II* Human

Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS BM	GS List Typ	GS Hazd Range	GreenScreen Gro
	EU R-Phrases	Skin or Eye	R43 May cause sensitization by skin contact	U	Authoritative	H or M	Group II* Human
	EU R-Phrases	Cancer	R45: May cause cancer.	BM1	Authoritative	H	Group I Human
	EU R-Phrases	Gene Mutation	R46: May cause heritable genetic damage.	BM1	Authoritative	H	Group I Human
	EU R-Phrases	Reproductive	R47: May cause birth defects.	not assessed by GreenScreen			
	EU R-Phrases	Mammal	R48/23 Toxic: Danger of Serious Damage to health by prolonged exposure through inhalation.	U	Authoritative	H	Group II* Human
	EU R-Phrases	Mammal	R48/24 Toxic: Danger of Serious Damage to health by prolonged exposure in contact with skin.	U	Authoritative	H	Group II* Human
	EU R-Phrases	Mammal	R48/25 Toxic: Danger of Serious Damage to health by prolonged exposure if swallowed.	U	Authoritative	H	Group II* Human
	EU R-Phrases	Cancer	R49: May cause cancer by inhalation.	BM1	Authoritative	H	Group I Human
	EU R-Phrases	Aquatic	R50: Very toxic to aquatic organisms.	U	Authoritative	vH	Ecotoxicity
	EU R-Phrases	Aquatic	R51/53 Toxic to Aquatic Organisms, May cause long-term adverse effects in the aquatic environment	U	Authoritative	H	Ecotoxicity
	EU R-Phrases	Aquatic	R51/53 Toxic to Aquatic Organisms, May cause long-term adverse effects in the aquatic environment	P1	Authoritative	U	Multiple
	EU R-Phrases	Aquatic	R51: Toxic to aquatic organisms.	U	Authoritative	H or M	Ecotoxicity
	EU R-Phrases	Aquatic	R52 Harmful to Aquatic Organisms	U	Authoritative	H or M	Ecotoxicity
	EU R-Phrases	Land Toxicity	R54 Toxic to flora.	U	Authoritative	vH, H, M	Ecotoxicity
	EU R-Phrases	Land Toxicity	R55 Toxic to fauna.	U	Authoritative	vH, H, M	Ecotoxicity
	EU R-Phrases	Land Toxicity	R56 Toxic to soil organisms.	U	Authoritative	vH, H, M	Ecotoxicity
	EU R-Phrases	Land Toxicity	R57 Toxic to soil organisms.	U	Authoritative	vH, H, M	Ecotoxicity
	EU R-Phrases	Ozone Depleti	R59: Dangerous for the ozone layer.	not assessed by GreenScreen			
	EU R-Phrases	Reproductive	R60: May impair fertility.	BM1	Authoritative	H	Group I Human
	EU R-Phrases	Developmenta	R61: May cause harm to the unborn child.	BM1	Authoritative	H	Group I Human
	EU R-Phrases	Reproductive	R62: Possible risk of impaired fertility.	U	Authoritative	M	Group I Human
	EU R-Phrases	Developmenta	R63: Possible risk of harm to the unborn child.	U	Authoritative	M	Group I Human
	EU R-Phrases	Developmenta	R64: May cause harm to breastfed babies.	BM1	Authoritative	H	Group I Human
	EU R-Phrases	Mammal	R68/20 Harmful: Possible risk of irreversible effects through inhalation.	U	Authoritative	H	Group II Human
	EU R-Phrases	Mammal	R68/21 Harmful: Possible risk of irreversible effects in contact with skin.	U	Authoritative	H	Group II Human
	EU R-Phrases	Mammal	R68/22 Harmful: Possible risk of irreversible effects if swallowed.	U	Authoritative	H	Group II Human
	EU R-Phrases	Gene Mutation	R68: Possible risk of irreversible effects	U	Authoritative	M	Group I Human
EC - REACH Substances of High Concern	EU SVHC	Cancer	Carcinogenic - Banned unless authorized	BM1	Authoritative	H	Group I Human
	EU SVHC	Cancer	Carcinogenic - Candidate list	in consideration for GreenScreen			
	EU SVHC	Cancer	Carcinogenic - Prioritized for listing	in consideration for GreenScreen			
	EU SVHC	Gene Mutation	Mutagenic - Banned unless authorized	BM1	Authoritative	H	Group I Human
	EU SVHC	Gene Mutation	Mutagenic - Candidate list	in consideration for GreenScreen			
	EU SVHC	Gene Mutation	Mutagenic - Prioritized for listing	in consideration for GreenScreen			
	EU SVHC	PBT	PBT - Banned unless authorized	BM1	Authoritative	U	Multiple
	EU SVHC	PBT	PBT - Candidate List	in consideration for GreenScreen			
	EU SVHC	PBT	PBT - Candidate List Prioritized	in consideration for GreenScreen			
	EU SVHC	Reproductive	Toxic to reproduction - Banned unless authorized	BM1	Authoritative	H (R and/or D)	Multiple
	EU SVHC	Reproductive	Toxic to reproduction - Candidate list	in consideration for GreenScreen			
	EU SVHC	Reproductive	Toxic to reproduction - Candidate List Prioritized	in consideration for GreenScreen			
	EU SVHC	PBT	vPvB - Banned unless authorized	BM1	Authoritative	U	Multiple

Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS BM	GS List Typ	GS Hazd Range	GreenScreen Gro
	EU SVHC	PBT	vPvB - Candidate List	in consideration for GreenScreen			
	EU SVHC	PBT	vPvB - Candidate List Prioritized	in consideration for GreenScreen			
Lancet - Grand-jean&Landrigan Neurotoxic Chemicals	G&L Neuro	Developmental	Developmental neurotoxicant	P1	Screening	H or M	Group I Human
Intnl Agency for Rsrch on Cancer - Cancer Monographs	IARC	Cancer	Group 1: Agent is carcinogenic to humans	BM1	Authoritative	H	Group I Human
	IARC	Cancer	Group 2A: Agent is probably carcinogenic to humans	BM1	Authoritative	H	Group I Human
	IARC	Cancer	Group 2B: Possibly carcinogenic to humans	BM1	Authoritative	M	Group I Human
German MAK - List of Substances(MAK)	MAK	Cancer	Carcinogenic Group 1	BM1	Authoritative	H	Group I Human
	MAK	Cancer	Carcinogenic Group 2	BM1	Authoritative	H	Group I Human
	MAK	Cancer	Carcinogenic Group 3	U	Authoritative	M	Group I Human
	MAK	Cancer	Carcinogenic Group 4	U	Authoritative	M	Group I Human
	MAK	Cancer	Carcinogenic Group 5	U	Authoritative	M	Group I Human
	MAK	Gene Mutation	Germ Cell Mutagen 1	P1	Authoritative	H or M	Group I Human
	MAK	Gene Mutation	Germ Cell Mutagen 2	P1	Authoritative	H or M	Group I Human
	MAK	Gene Mutation	Germ Cell Mutagen 3a	P1	Authoritative	H or M	Group I Human
	MAK	Developmental	Pregnancy Risk Group A	P1	Authoritative	H or M	Group I Human
	MAK	Developmental	Pregnancy Risk Group B	P1	Authoritative	H or M	Group I Human
	MAK	Respiratory	Sensitizing Substance Sa - Danger of airway sensitization	U	Authoritative	H	Group II* Human
	MAK	Respiratory	Sensitizing Substance Sah - Danger of airway & skin sensitization	U	Authoritative	H (SnS and SnR)	Multiple
	MAK	Skin or Eye	Sensitizing Substance Sh - Danger of skin sensitization	U	Authoritative	H	Group II* Human
	MAK	Skin or Eye	Sensitizing Substance SP - Danger of photocontact sensitization	U	Authoritative	H (SnS and/or SnR)	Multiple
US CDC - Occupational Carcinogens	NIOSH-C	Cancer	Occupational carcinogen	BM1	Authoritative	H	Group I Human
US NIH - Reproductive & Developmental Monographs	NTP-OHAaT	Developmental	A-Clear evidence of adverse developmental toxicant effects	BM1	Authoritative	H	Group I Human
	NTP-OHAaT	Reproductive	A-Clear evidence of adverse reproductive toxicant effects	BM1	Authoritative	H	Group I Human
	NTP-OHAaT	Developmental	B-Some evidence of adverse developmental toxicant effects	P1	Authoritative	H or M	Group I Human
	NTP-OHAaT	Reproductive	B-Some evidence of adverse reproductive toxicant effects	P1	Authoritative	H or M	Group I Human
	NTP-OHAaT	Developmental	C-Limited evidence of adverse developmental toxicant effects	P1	Authoritative	H or M	Group I Human
	NTP-OHAaT	Reproductive	C-Limited evidence of adverse reproductive toxicant effects	P1	Authoritative	H or M	Group I Human
US NIH - Report on Carcinogens	NTP-RoC	Cancer	Known to be Human Carcinogen	BM1	Authoritative	H	Group I Human
	NTP-RoC	Cancer	Reasonably Anticipated to be Human Carcinogen	BM1	Authoritative	H	Group I Human
US EPA - Priority	NWMP Priority	PBT	Priority PBT	BM1	Authoritative	U	Multiple
Oregon DEQ - Priority Persistent Pollutants	OR P3	PBT	Priority Persistent Pollutant - Tier 1	P1	Screening	U	Multiple

Short Agency & List Title	Agency/ List Abbrv	Hazard Type	Hazard Warning	GS BM	GS List Typ	GS Hazd Range	GreenScreen Gro
	OR P3	PBT	Priority Persistent Pollutant - Tier 2 - Legacy Persistent Pollutants	P1	Screening	U	Multiple
EC/Oslo-Paris Conv - Priority PBTs & EDs & equivalent concern	OSPAR	Endocrine	Endocrine disruptor - Substance of Possible Concern	P1	Screening	H or M	Group I Human
	OSPAR	Endocrine	Endocrine disruptor - Chemical for Priority Action	P1	Screening	H or M	Group I Human
	OSPAR	PBT	PBT - Substance of Possible Concern	BM1	Authoritative	U	Multiple
	OSPAR	PBT	PBT- Chemical for Priority Action	BM1	Authoritative	U	Multiple
CalEPA - Chemicals Known to Cause Cancer & Reproductive Toxicity	Prop 65	Cancer	Cancer	BM1	Authoritative	H	Group I Human
	Prop 65	Developmental	Developmental toxicity	BM1	Authoritative	H	Group I Human
	Prop 65	Reproductive	Female reproductive toxicity	BM1	Authoritative	H	Group I Human
	Prop 65	Reproductive	Male reproductive toxicity	BM1	Authoritative	H	Group I Human
EHP - San Antonio Stmtn on BFRs & CFRs	San Antonio	PBT	Flame retardant substance class of concern for PB&T & long range transport	BM1			
ChemSec - Substitute List	SIN	Multiple	Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant)	P1	Screening	U	Multiple
	SIN	Endocrine	Equivalent concern, including endocrine disruption - Sin List 1.0	P1	Screening	H or M	Group I Human
	SIN	Endocrine	Equivalent concern, including endocrine disruption - Sin List 2.0	P1	Screening	H or M	Group I Human
	SIN	PBT	PBT	P1	Screening	U	Multiple
	SIN	PBT	vPvB	P1	Screening	U	Multiple
UNEP Stockholm Conv - Persistent Organic Pollutants	Stockholm	PBT	Priority Persistent Organic Pollutant (POP)	BM1	Authoritative	U	Multiple
	Stockholm	PBT	May degrade to PFOS - PBT under review	BM1	Authoritative	U	Multiple
	Stockholm	PBT	Persistent Organic Pollutant (POP) - under review	BM1	Authoritative	U	Multiple
TEDX - Potential Endocrine Disruptors	TEDX	Endocrine	Potential Endocrine Disruptor	P1	Screening	H or M	Group I Human
US EPA - Toxics Release Inventory PBTs	TRI PBT	PBT	PBT	BM1	Authoritative	U	Multiple
German FEA - Substances Hazardous to Waters	VwVwS	Multiple	Class 2 Hazard to Waters	P1	Screening	U	Multiple
	VwVwS	Multiple	Class 3 Severe Hazard to Waters	P1	Screening	U	Multiple
Washington DoE - PBT	WA PBT	PBT	PBT	P1	Screening	U	Multiple