

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Agency and List Title	Hazard Type	Hazard Warning	Green Screen LT score	GreenScreen Hazard	GS List Type	GS Hazard Range	GS Group
AOEC - Asthmagens	RESPIRATORY	Asthmagen (ARs) - sensitizer-induced - inhalable forms only	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human
AOEC - Asthmagens	RESPIRATORY	Asthmagen (Rr) - irritant-induced	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human
AOEC - Asthmagens	RESPIRATORY	Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human
AOEC - Asthmagens	RESPIRATORY	Asthmagen (Rs) - sensitizer-induced	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human
Australia - GHS	GENE MUTATION	H340 - May cause genetic defects	LT-P1	Mutagenicity/Genotoxicity	Screening A	H	Group I Human
Australia - GHS	CANCER	H350 - May cause cancer	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Australia - GHS	CANCER	H350i - May cause cancer by inhalation	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Australia - GHS	DEVELOPMENTAL	H360D - May damage the unborn child	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H	Group I Human
Australia - GHS	DEVELOPMENTAL	H360Df - May damage the unborn child. Suspected of damaging fertility	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H-M	Group I Human
Australia - GHS	REPRODUCTIVE	H360F - May damage fertility	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
Australia - GHS	REPRODUCTIVE	H360FD - May damage fertility. May damage the unborn child	LT-P1	Reproductive and/or Developmental Toxicity	Screening A	H	Group I Human - Multiple
Australia - GHS	REPRODUCTIVE	H360Fd - May damage fertility. Suspected of damaging the unborn child	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H-M	Group I Human
Australia - GHS	DEVELOPMENTAL	H362 - May cause harm to breast-fed children	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H	Group I Human
CA EPA - Prop 65	CANCER	Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

CA EPA - Prop 65	CANCER	Carcinogen - specific to chemical form or exposure route	LT-P1	Carcinogenicity	Authoritative B	H-M	Group I Human
CA EPA - Prop 65	DEVELOPMENTAL	Developmental - specific to chemical form or exposure route	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative B	H-M	Group I Human
CA EPA - Prop 65	DEVELOPMENTAL	Developmental toxicity	LT-1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative A	H	Group I Human
CA EPA - Prop 65	REPRODUCTIVE	Reproductive Toxicity - Female	LT-1	Reproductive Toxicity	Authoritative A	H	Group I Human
CA EPA - Prop 65	REPRODUCTIVE	Reproductive Toxicity - Male	LT-1	Reproductive Toxicity	Authoritative A	H	Group I Human
ChemSec - SIN List	MULTIPLE	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	LT-P1	Carcinogenicity, Mutagenicity/Genotoxicity Reproductive Toxicity and/or Developmental Toxicity	Screening A	U	Group I Human - Multiple
ChemSec - SIN List	ENDOCRINE	Endocrine Disruption	LT-P1	Endocrine Activity	Screening B	H-M	Group I Human
ChemSec - SIN List	PBT	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)	LT-P1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	vH	Environmental Fate - Multiple
EC - CEPA DSL	PBT	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)	LT-P1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	H	Environmental Fate - Multiple
EC - CEPA DSL	PBT	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans	LT-P1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	H	Environmental Fate - Multiple
EHP - San Antonio Statement on BFRs & CFRs	PBT	Flame retardant substance class of concern for PB&T & long range transport	NoGS	PBT (Persistence, Bioaccumulation & Toxicity)	Not included in GreenScreen	vH	Environmental Fate - Multiple
EU - Annex	CANCER	Carcinogen Category 1A -	LT-1	Carcinogenicity	Authoritative A	H	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

VI CMRs		Known human Carcinogen based on human evidence					
EU - Annex VI CMRs	CANCER	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - Annex VI CMRs	CANCER	Carcinogen Category 2 - Suspected human Carcinogen	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
EU - Annex VI CMRs	GENE MUTATION	Mutagen - Category 1A	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - Annex VI CMRs	GENE MUTATION	Mutagen - Category 1B	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - Annex VI CMRs	GENE MUTATION	Mutagen - Category 2	LT-UNK	Mutagenicity/Genotoxicity	Authoritative A	M	Group I Human
EU - Annex VI CMRs	REPRODUCTIVE	Reproductive Toxicity - Category 1A	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple
EU - Annex VI CMRs	REPRODUCTIVE	Reproductive Toxicity - Category 1B	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple
EU - Annex VI CMRs	REPRODUCTIVE	Reproductive Toxicity - Category 2	LT-UNK	Reproductive and/or Developmental Toxicity	Authoritative B	M	Group I Human - Multiple
EU - ESIS PBT	PBT	Fulfills PBT Criteria - Action Deferred	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
EU - ESIS PBT	PBT	PBT	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	vH	Environmental Fate - Multiple
EU - ESIS PBT	PBT	PBT & POP	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
EU - ESIS PBT	PBT	PBT & vPvB	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
EU - ESIS PBT	PBT	PBT & vPvB & POP	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
EU - ESIS PBT	PBT	POP (Persistent Organic Pollutant)	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	vH	Environmental Fate - Multiple

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

EU - ESIS PBT	PBT	vPvB	LT-1	vPvB (Persistence, Bioaccumulation)	Screening A	U	Environmental Fate - Multiple
EU - GHS (H- Statements)	REACTIVE	H200 - Unstable explosive	LT-UNK	Reactivity	Authoritative A	vH	Physical Hazards
EU - GHS (H- Statements)	REACTIVE	H201 - Explosive; mass explosion hazard	LT-UNK	Reactivity	Authoritative A	H	Physical Hazards
EU - GHS (H- Statements)	REACTIVE	H202 - Explosive, severe projection hazard	LT-UNK	Reactivity	Authoritative A	H	Physical Hazards
EU - GHS (H- Statements)	REACTIVE	H203 - Explosive; fire, blast or projection hazard	LT-UNK	Reactivity	Authoritative A	H	Physical Hazards
EU - GHS (H- Statements)	FLAMMABLE	H220 - Extremely flammable gas	LT-UNK	Flammability	Authoritative A	H	Physical Hazards
EU - GHS (H- Statements)	FLAMMABLE	H222 - Extremely flammable aerosol	LT-UNK	Flammability	Authoritative A	H	Physical Hazards
EU - GHS (H- Statements)	FLAMMABLE	H224 - Extremely flammable liquid and vapour	LT-UNK	Flammability	Authoritative A	vH	Physical Hazards
EU - GHS (H- Statements)	FLAMMABLE	H225 - Highly flammable liquid and vapour	LT-UNK	Flammability	Authoritative A	H	Physical Hazards
EU - GHS (H- Statements)	FLAMMABLE	H228 - Flammable solid	LT-UNK	Flammability	Authoritative B	H-M	Physical Hazards
EU - GHS (H- Statements)	REACTIVE	H240 - Heating may cause an explosion	LT-UNK	Reactivity	Authoritative A	vH	Physical Hazards
EU - GHS (H- Statements)	REACTIVE	H241 - Heating may cause a fire or explosion	LT-UNK	Reactivity	Authoritative A	vH	Physical Hazards
EU - GHS (H- Statements)	REACTIVE	H242 - Heating may cause a fire	LT-UNK	Reactivity	Authoritative B	vH-M	Physical Hazards
EU - GHS (H- Statements)	FLAMMABLE	H250 - Catches fire spontaneously if exposed	LT-UNK	Flammability	Authoritative A	H	Physical Hazards

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Statements)		to air					
EU - GHS (H-Statements)	REACTIVE	H251 - Self-heating: may catch fire	LT-UNK	Reactivity	Authoritative A	H	Physical Hazards
EU - GHS (H-Statements)	REACTIVE	H260 - In contact with water releases flammable gases which may ignite spontaneously	LT-UNK	Reactivity	Authoritative A	vH	Physical Hazards
EU - GHS (H-Statements)	REACTIVE	H261 - In contact with water releases flammable gases	LT-UNK	Reactivity	Authoritative B	H-M	Physical Hazards
EU - GHS (H-Statements)	REACTIVE	H270 - May cause or intensify fire; oxidiser (GAS ONLY)	LT-UNK	Reactivity	Authoritative A	H	Physical Hazards
EU - GHS (H-Statements)	REACTIVE	H271 - May cause fire or explosion; strong oxidiser	LT-UNK	Reactivity	Authoritative A	vH	Physical Hazards
EU - GHS (H-Statements)	REACTIVE	H272 - May intensify fire; oxidiser	LT-UNK	Reactivity	Authoritative B	H-M	Physical Hazards
EU - GHS (H-Statements)	MAMMALIAN	H300 - Fatal if swallowed	LT-UNK	Acute Mammalian Toxicity	Authoritative A	vH	Group II Human
EU - GHS (H-Statements)	MAMMALIAN	H301 - Toxic if swallowed	LT-UNK	Acute Mammalian Toxicity	Authoritative A	H	Group II Human
EU - GHS (H-Statements)	MAMMALIAN	H304 - May be fatal if swallowed and enters airways	LT-UNK	Systemic Toxicity/Organ Effects (Single Exposure - Aspiration Hazard)	Authoritative A	H	Multiple
EU - GHS (H-Statements)	MAMMALIAN	H310 - Fatal in contact with skin	LT-UNK	Acute Mammalian Toxicity	Authoritative A	vH	Group II Human
EU - GHS (H-Statements)	MAMMALIAN	H311 - Toxic in contact with skin	LT-UNK	Acute Mammalian Toxicity	Authoritative A	H	Group II Human
EU - GHS (H-Statements)	SKIN IRRITATION	H314 - Causes severe skin burns and eye damage	LT-UNK	Skin Irritation/Corrosivity	Authoritative A	vH	Group II Human
EU - GHS (H-Statements)	SKIN IRRITATION	H315 - Causes skin irritation	LT-UNK	Skin Irritation/Corrosivity	Authoritative A	H	Group II Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Statements)							
EU - GHS (H-Statements)	SKIN SENSITIZE	H317 - May cause an allergic skin reaction	LT-UNK	Skin Sensitization	Authoritative B	H-M	Group II* Human
EU - GHS (H-Statements)	EYE IRRITATION	H318 - Causes serious eye damage	LT-UNK	Eye Irritation/Corrosivity	Authoritative A	vH	Group II Human
EU - GHS (H-Statements)	EYE IRRITATION	H319 - Causes serious eye irritation	LT-UNK	Eye Irritation/Corrosivity	Authoritative A	H	Group II Human
EU - GHS (H-Statements)	MAMMALIAN	H330 - Fatal if inhaled	LT-UNK	Acute Mammalian Toxicity	Authoritative A	vH	Group II Human
EU - GHS (H-Statements)	MAMMALIAN	H331 - Toxic if inhaled	LT-UNK	Acute Mammalian Toxicity	Authoritative A	H	Group II Human
EU - GHS (H-Statements)	RESPIRATORY	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human
EU - GHS (H-Statements)	GENE MUTATION	H340 - May cause genetic defects	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - GHS (H-Statements)	GENE MUTATION	H341 - Suspected of causing genetic defects	LT-UNK	Mutagenicity/Genotoxicity	Authoritative A	M	Group I Human
EU - GHS (H-Statements)	CANCER	H350 - May cause cancer	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - GHS (H-Statements)	CANCER	H350i - May cause cancer by inhalation	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - GHS (H-Statements)	CANCER	H351 - Suspected of causing cancer	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
EU - GHS (H-Statements)	DEVELOPMENTAL	H360D - May damage the unborn child	LT-1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative A	H	Group I Human
EU - GHS (H-Statements)	DEVELOPMENTAL	H360Df - May damage the unborn child.	LT-1	Developmental Toxicity incl. developmental	Authoritative A	H-M	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Statements)		Suspected of damaging fertility		neurotoxicity			
EU - GHS (H-Statements)	REPRODUCTIVE	H360F - May damage fertility	LT-1	Reproductive Toxicity	Authoritative A	H	Group I Human
EU - GHS (H-Statements)	REPRODUCTIVE	H360FD - May damage fertility. May damage the unborn child	LT-1	Reproductive and/or Developmental Toxicity	Authoritative A	H	Group I Human - Multiple
EU - GHS (H-Statements)	REPRODUCTIVE	H360Fd - May damage fertility. Suspected of damaging the unborn child	LT-1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative A	H-M	Group I Human
EU - GHS (H-Statements)	DEVELOPMENTAL	H361 - Suspected of damaging fertility or the unborn child	LT-UNK	Reproductive and/or Developmental Toxicity	Authoritative A	M	Group I Human - Multiple
EU - GHS (H-Statements)	DEVELOPMENTAL	H361d - Suspected of damaging the unborn child	LT-UNK	Developmental Toxicity incl. developmental neurotoxicity	Authoritative A	M	Group I Human
EU - GHS (H-Statements)	REPRODUCTIVE	H361f - Suspected of damaging fertility	LT-UNK	Reproductive Toxicity	Authoritative A	M	Group I Human
EU - GHS (H-Statements)	REPRODUCTIVE	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child	LT-UNK	Reproductive and/or Developmental Toxicity	Authoritative A	M	Group I Human - Multiple
EU - GHS (H-Statements)	DEVELOPMENTAL	H362 - May cause harm to breast-fed children	LT-1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative A	H	Group I Human
EU - GHS (H-Statements)	ORGAN TOXICANT	H370 - Causes damage to organs	LT-UNK	Systemic Toxicity/Organ Effects-Single Exposure	Authoritative A	vH	Group II Human
EU - GHS (H-Statements)	ORGAN TOXICANT	H371 - May cause damage to organs	LT-UNK	Systemic Toxicity/Organ Effects-Single Exposure	Authoritative A	H	Group II Human
EU - GHS (H-Statements)	ORGAN TOXICANT	H372 - Causes damage to organs through prolonged or repeated exposure	LT-UNK	Systemic Toxicity/Organ Effects incl. immunotoxicity-Repeated Exposure	Authoritative A	H	Group II* Human
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Statements)							
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life M = 10	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life M = 100	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life M = 1000	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life M = 10000	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life M = 100000	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity
EU - GHS (H-Statements)	ACUTE AQUATIC	H400 - Very toxic to aquatic life M = 1000000	LT-UNK	Acute Aquatic Toxicity	Authoritative A	vH	Ecotoxicity
EU - GHS (H-Statements)	CHRON AQUATIC	H410 - Very toxic to aquatic life with long lasting effects	LT-P1	T & P and/or B [(Chronic Aquatic Toxicity and Persistence) or (Acute Aquatic Toxicity and Persistence and/or Bioaccumulation)]	Authoritative B	U	Multiple
EU - GHS (H-Statements)	CHRON AQUATIC	H411 - Toxic to aquatic life with long lasting effects	LT-P1	T & P and/or B [(Chronic Aquatic Toxicity and Persistence) or (Acute Aquatic Toxicity and Persistence and/or Bioaccumulation)]	Authoritative B	U	Multiple
EU - GHS (H-Statements)	OZONE DEPLETION	H420 - Hazardous to the Ozone Layer (formerly EUH059)	NoGS	Ozone Depletion	Not included in GreenScreen	H	NA
EU - Ozone depletion substances	OZONE DEPLETION	Annex I Group I, II & II & Annex II-A: Chlorofluorocarbons & Halons - ODP .6 and up	NoGS	Ozone Depletion	Not included in GreenScreen	vH	NA
EU - Ozone depletion	OZONE DEPLETION	Annex I Group IV & VI: Carbon tetrachloride&	NoGS	Ozone Depletion	Not included in GreenScreen	vH	NA



## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

substances		Methyl Bromide - ODP 0.6 and above					
EU - Ozone depletion substances	OZONE DEPLETION	Annex I Group V & IX: Trichloroethane & Bromochloromethane - ODP 0.2 or less	NoGS	Ozone Depletion	Not included in GreenScreen	H	NA
EU - Ozone depletion substances	OZONE DEPLETION	Annex I Group VII: Hydrobromofluorocarbons - ODP .3 and up	NoGS	Ozone Depletion	Not included in GreenScreen	vH	NA
EU - Ozone depletion substances	OZONE DEPLETION	Annex I Group VIII: Hydrochlorofluorocarbons - ODP greater than 0.2	NoGS	Ozone Depletion	Not included in GreenScreen	vH	NA
EU - Ozone depletion substances	OZONE DEPLETION	Annex I Group VIII: Hydrochlorofluorocarbons - ODP less than 0.2	NoGS	Ozone Depletion	Not included in GreenScreen	H	NA
EU - Ozone depletion substances	OZONE DEPLETION	Annex II Part A: New substances restricted under Article 24(1)	NoGS	Ozone Depletion	Not included in GreenScreen	vH	NA
EU - Ozone depletion substances	OZONE DEPLETION	Annex II Part B: substances to be reported under Article 27	NoGS	Ozone Depletion	Not included in GreenScreen	H	NA
EU - Priority Endocrine Disruptors	ENDOCRINE	Category 1 - In vivo evidence of Endocrine Disruption Activity	LT-P1	Endocrine Activity	Screening B	H-M	Group I Human
EU - Priority Endocrine Disruptors	ENDOCRINE	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption	LT-P1	Endocrine Activity	Screening B	H-M	Group I Human
EU - REACH Annex XVII CMRs	CANCER	Carcinogen Category 1 - Substances known to be Carcinogenic to man	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - REACH Annex XVII CMRs	CANCER	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - REACH Annex XVII CMRs	GENE MUTATION	Mutagen Category 1 - Substances known to be Mutagenic to man	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - REACH Annex XVII	GENE MUTATION	Mutagen Category 2 - Substances which should	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

CMRs		be regarded as if they are Mutagenic to man					
EU - REACH Annex XVII CMRs	REPRODUCTIVE	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple
EU - REACH Annex XVII CMRs	REPRODUCTIVE	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple
EU - SVHC Authorisation List	CANCER	Carcinogenic - Banned unless Authorised	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	CANCER	Carcinogenic - Candidate list	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	CANCER	Carcinogenic - Prioritized for listing	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	ENDOCRINE	Equivalent Concern - Authorization List: endocrine disrupting properties cause probable serious effects to the environment or human health	LT-1	Endocrine Activity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	ENDOCRINE	Equivalent Concern - Candidate List	LT-1	Endocrine Activity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	ENDOCRINE	Equivalent Concern - Candidate List: endocrine disrupting properties cause probable serious effects to the environment or human health	LT-1	Endocrine Activity	Authoritative A	H	Group I Human
EU - SVHC Authorisation	RESPIRATORY	Equivalent Concern - Candidate List:	LT-UNK	Respiratory Sensitization	Authoritative A	H	Group II* Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

List		Respiratory sensitizing					
EU - SVHC Authorisation List	RESPIRATORY	Equivalent Concern - Prioritization List: Respiratory sensitizing	LT-UNK	Respiratory Sensitization	Authoritative A	H	Group II* Human
EU - SVHC Authorisation List	ENDOCRINE	Equivalent Concern - Prioritized for Listing	LT-1	Endocrine Activity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	GENE MUTATION	Mutagenic - Banned unless Authorised	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	GENE MUTATION	Mutagenic - Candidate list	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	GENE MUTATION	Mutagenic - Prioritized for listing	LT-1	Mutagenicity/Genotoxicity	Authoritative A	H	Group I Human
EU - SVHC Authorisation List	PBT	PBT - Banned unless Authorised	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
EU - SVHC Authorisation List	PBT	PBT - Candidate list	LT-1	PBT [Persistence, Bioaccumulation, and any of the following: Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive Toxicity, Developmental Toxicity]	Authoritative A	U	Multiple
EU - SVHC Authorisation List	PBT	PBT - Prioritized for listing	LT-1	PBT [Persistence, Bioaccumulation, and any of the following: Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive Toxicity, Developmental Toxicity]	Authoritative A	U	Multiple
EU - SVHC Authorisation List	REPRODUCTIVE	Toxic to reproduction - Banned unless Authorised	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

EU - SVHC Authorisation List	REPRODUCTIVE	Toxic to reproduction - Candidate list	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple
EU - SVHC Authorisation List	REPRODUCTIVE	Toxic to reproduction - Prioritized for listing	LT-1	Reproductive and/or Developmental Toxicity	Authoritative B	H	Group I Human - Multiple
EU - SVHC Authorisation List	PBT	vPvB - Candidate list	LT-1	vPvB (Persistence, Bioaccumulation)	Authoritative A	U	Environmental Fate - Multiple
EU - SVHC Authorisation List	PBT	vPvB - Banned unless Authorised	LT-1	vPvB (Persistence, Bioaccumulation)	Authoritative A	U	Environmental Fate - Multiple
EU - SVHC Authorisation List	PBT	vPvB - Prioritized for listing	LT-1	vPvB (Persistence, Bioaccumulation)	Authoritative A	U	Environmental Fate - Multiple
G&L - Neurotoxic Chemicals	DEVELOPMENTAL	Developmental Neurotoxicant	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening B	H-M	Group I Human
G&L - Neurotoxic Chemicals	DEVELOPMENTAL	Developmental neurotoxicant (2014)	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening B	H-M	Group I Human
German FEA - Substances Hazardous to Waters	MULTIPLE	Class 2 - Hazard to Waters	LT-P1	Human and/or Aquatic toxicity and/or Persistence and/or Bioaccumulation	Screening B	U	Multiple
German FEA - Substances Hazardous to Waters	MULTIPLE	Class 3 - Severe Hazard to Waters	LT-P1	Human and/or Aquatic toxicity and/or Persistence and/or Bioaccumulation	Screening B	U	Multiple
IARC	CANCER	Group 1 - Agent is Carcinogenic to humans	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
IARC	CANCER	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
IARC	CANCER	Group 2A - Agent is probably Carcinogenic to humans	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
IARC	CANCER	Group 2A - Agent is probably carcinogenic to	LT-1	Carcinogenicity	Authoritative A	H	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

		humans - inhaled from occupational sources					
IARC	CANCER	Group 2B - Possibly carcinogenic to humans	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
IARC	CANCER	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
IPCC - Global Warming Chemicals	GLOBAL WARMING	Chemicals with Global Warming Potential	NoGS	Global Warming	Not included in GreenScreen	pC	NA
Japan - GHS	CANCER	Carcinogenicity - Category 1A	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Japan - GHS	CANCER	Carcinogenicity - Category 1A-1B	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Japan - GHS	CANCER	Carcinogenicity - Category 1B	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Japan - GHS	GENE MUTATION	Germ cell mutagenicity - Category 1B	LT-P1	Mutagenicity/Genotoxicity	Screening A	H	Group I Human
Japan - GHS	REPRODUCTIVE	Toxic to reproduction - Category 1	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
Japan - GHS	REPRODUCTIVE	Toxic to reproduction - Category 1A	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
Japan - GHS	REPRODUCTIVE	Toxic to reproduction - Category 1B	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
Korea - GHS	CANCER	Carcinogenicity - Category 1 [H350 - May cause cancer]	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Korea - GHS	GENE MUTATION	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]	LT-P1	Mutagenicity/Genotoxicity	Screening A	H	Group I Human
Korea - GHS	DEVELOPMENTAL	H362 - May cause harm to breast-fed children	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H	Group I Human
Korea - GHS	REPRODUCTIVE	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
MAK	CANCER	Carcinogen Group 1 -	LT-1	Carcinogenicity	Authoritative A	H	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

		Substances that cause cancer in man					
MAK	CANCER	Carcinogen Group 2 - Considered to be carcinogenic for man	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
MAK	CANCER	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
MAK	CANCER	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
MAK	CANCER	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
MAK	CANCER	Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
MAK	GENE MUTATION	Germ Cell Mutagen 1	LT-P1	Mutagenicity/Genotoxicity	Authoritative B	H-M	Group I Human
MAK	GENE MUTATION	Germ Cell Mutagen 2	LT-P1	Mutagenicity/Genotoxicity	Authoritative B	H-M	Group I Human
MAK	GENE MUTATION	Germ Cell Mutagen 3a	LT-P1	Mutagenicity/Genotoxicity	Authoritative B	H-M	Group I Human
MAK	DEVELOPMENTAL	Pregnancy Risk Group A	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative B	H-M	Group I Human
MAK	DEVELOPMENTAL	Pregnancy Risk Group B	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative B	H-M	Group I Human
MAK	RESPIRATORY	Sensitizing Substance Sa - Danger of airway sensitization	LT-UNK	Respiratory Sensitization	Authoritative A	H	Group II* Human
MAK	RESPIRATORY	Sensitizing Substance Sah - Danger of airway & skin sensitization	LT-UNK	Respiratory and Skin Sensitization	Authoritative B	H	Group II Human - Multiple
MAK	SKIN SENSITIZE	Sensitizing Substance Sh - Danger of skin sensitization	LT-UNK	Skin Sensitization	Authoritative A	H	Group II* Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

MAK	SKIN SENSITIZE	Sensitizing Substance SP - Danger of photocontact sensitization	LT-UNK	Skin and/or Respiratory Sensitization	Authoritative B	H	Group II Human - Multiple
Malaysia - GHS	GENE MUTATION	H340 - May cause genetic defects	LT-P1	Mutagenicity/Genotoxicity	Screening A	H	Group I Human
Malaysia - GHS	CANCER	H350 - May cause cancer	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Malaysia - GHS	CANCER	H350i - May cause cancer by inhalation	LT-P1	Carcinogenicity	Screening A	H	Group I Human
Malaysia - GHS	DEVELOPMENTAL	H360D - May damage the unborn child	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H	Group I Human
Malaysia - GHS	DEVELOPMENTAL	H360Df - May damage the unborn child. Suspected of damaging fertility	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H-M	Group I Human
Malaysia - GHS	REPRODUCTIVE	H360F - May damage fertility	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
Malaysia - GHS	REPRODUCTIVE	H360FD - May damage fertility. May damage the unborn child	LT-P1	Reproductive and/or Developmental Toxicity	Screening A	H	Group I Human - Multiple
Malaysia - GHS	REPRODUCTIVE	H360Fd - May damage fertility. Suspected of damaging the unborn child	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H-M	Group I Human
Malaysia - GHS	DEVELOPMENTAL	H362 - May cause harm to breast-fed children	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Screening A	H	Group I Human
New Zealand - GHS	GENE MUTATION	6.6A - Known or presumed human mutagens	LT-P1	Mutagenicity/Genotoxicity	Screening A	H	Group I Human
New Zealand - GHS	CANCER	6.7A - Known or presumed human carcinogens	LT-P1	Carcinogenicity	Screening A	H	Group I Human
New Zealand - GHS	REPRODUCTIVE	6.8A - Known or presumed human reproductive or developmental toxicants	LT-P1	Reproductive Toxicity	Screening A	H	Group I Human
OR DEQ - Priority	PBT	Priority Persistent Pollutant - Tier 1	LT-P1	PBT (Persistence, Bioaccumulation &	Screening A	vH	Environmental Fate - Multiple

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Persistent Pollutants				Toxicity)			
OR DEQ - Priority Persistent Pollutants	PBT	Priority Persistent Pollutant - Tier 2 Legacy Persistent Pollutants	LT-P1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	vH	Environmental Fate - Multiple
OSPAR - Priority PBTs & EDs & equivalent concern	ENDOCRINE	Endocrine Disruptor - Chemical for Priority Action	LT-P1	Endocrine Activity	Screening B	H-M	Group I Human
OSPAR - Priority PBTs & EDs & equivalent concern	ENDOCRINE	Endocrine Disruptor - Substance of Possible Concern	LT-P1	Endocrine Activity	Screening B	H-M	Group I Human
OSPAR - Priority PBTs & EDs & equivalent concern	RESTRICTED LIST	Equivalent concern - Chemical for Priority Action	LT-P1	PBT [Persistence, Bioaccumulation, and any of the following: Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive Toxicity, Developmental Toxicity, Systemic Toxicity/Organ Effects repeated exposure]	Authoritative A	U	Multiple
OSPAR - Priority PBTs & EDs & equivalent concern	RESTRICTED LIST	Equivalent concern - Substance of Possible Concern	LT-P1	PBT [Persistence, Bioaccumulation, and any of the following: Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive Toxicity, Developmental Toxicity, Systemic Toxicity/Organ Effects repeated exposure]	Screening A	U	Multiple
OSPAR - Priority PBTs & EDs &	PBT	PBT - Chemical for Priority Action	LT-1	PBT [Persistence, Bioaccumulation, and any of the following: Acute	Authoritative A	U	Multiple



## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

equivalent concern				Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive Toxicity, Developmental Toxicity, Systemic Toxicity/Organ Effects repeated exposure]			
OSPAR - Priority PBTs & EDs & equivalent concern	PBT	PBT - Substance of Possible Concern	LT-P1	PBT [Persistence, Bioaccumulation, and any of the following: Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive Toxicity, Developmental Toxicity, Systemic Toxicity/Organ Effects repeated exposure]	Screening A	U	Multiple
OSPAR - Priority PBTs & EDs & equivalent concern	PBT	PBT - Substance of Possible Concern (Sections B&C)	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	H	Environmental Fate - Multiple
TEDX - Potential Endocrine Disruptors	ENDOCRINE	Potential Endocrine Disruptor	LT-P1	Endocrine Activity	Screening B	H-M	Group I Human
UNEP Stockholm Conv - Persistent Organic Pollutants	PBT	Priority POP	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
US CDC - Occupational Carcinogens	CANCER	Occupational Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - EPCRA Extremely Hazardous	MAMMALIAN	Extremely Hazardous Substances	LT-UNK	Acute Mammalian Toxicity	Authoritative B	vH-H	Group II Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

Substances							
US EPA - Global Warming Potentials	GLOBAL WARMING	Global Warming Potential greater than 1,000	NoGS	Global Warming	Not included in GreenScreen	H	NA
US EPA - Global Warming Potentials	GLOBAL WARMING	Global Warming Potential greater than 10,000	NoGS	Global Warming	Not included in GreenScreen	vH	NA
US EPA - Global Warming Potentials	GLOBAL WARMING	Global Warming Potential greater than 100	NoGS	Global Warming	Not included in GreenScreen	M	NA
US EPA - IRIS Carcinogens	CANCER	(1986) Group A - Human Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(1986) Group B1 - Probable human Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(1986) Group B2 - Probable human Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(1986) Group C - Possible human Carcinogen	LT-UNK	Carcinogenicity	Authoritative A	M	Group I Human
US EPA - IRIS Carcinogens	CANCER	(1996) Known/likely human Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(1999) Carcinogenic to humans	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(1999) Likely to be Carcinogenic to humans	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(2005) Carcinogenic to humans	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US EPA - IRIS Carcinogens	CANCER	(2005) Likely to be Carcinogenic to humans	LT-1	Carcinogenicity	Authoritative A	H	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

US EPA - Ozone Depleting Substances	OZONE DEPLETION	Ozone-depleting substance - Class II ODP less than 0.2	NoGS	Ozone Depletion	Not included in GreenScreen	H	NA
US EPA - Ozone Depleting Substances	OZONE DEPLETION	Ozone-depleting substances - Class I ODP greater than 0.2	NoGS	Ozone Depletion	Not included in GreenScreen	vH	NA
US EPA - PPT Chemical Action Plans	DEVELOPMENTAL	Developmental Effects	NoGS	Developmental Toxicity incl. developmental neurotoxicity	Not included in GreenScreen	H	Group I Human
US EPA - PPT Chemical Action Plans	RESTRICTED LIST	EPA Chemical of Concern - Action Plan published	NoGS	Restricted List	Not included in GreenScreen	pC	NA
US EPA - PPT Chemical Action Plans	CHRON AQUATIC	Highly toxic to aquatic organisms	NoGS	Chronic Aquatic Toxicity	Not included in GreenScreen	H	Ecotoxicity
US EPA - PPT Chemical Action Plans	RESPIRATORY	Inhalation sensitizer causing asthma and lung damage	NoGS	Respiratory Sensitization	Not included in GreenScreen	H	Group II* Human
US EPA - PPT Chemical Action Plans	NEUROTOXICITY	Neurobehavioral effects	NoGS	Neurotoxicity-Single Exposure	Not included in GreenScreen	H	Group II Human
US EPA - PPT Chemical Action Plans	REPRODUCTIVE	Reproductive effects	NoGS	Reproductive Toxicity	Not included in GreenScreen	H	Group I Human
US EPA - PPT Chemical Action Plans	RESTRICTED LIST	Significant New Use Rule (SNUR) proposed	NoGS	Restricted List	Not included in GreenScreen	pC	NA
US EPA - PPT Chemical Action Plans	RESTRICTED LIST	TSCA Work Plan chemical - Action Plan in development	NoGS	Restricted List	Not included in GreenScreen	pC	NA

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

US EPA - PPT Chemical Action Plans	RESTRICTED LIST	TSCA Work Plan chemical - ongoing chemical (risk) assessment	NoGS	Restricted List	Not included in GreenScreen	pC	NA
US EPA - Priority PBTs (NWMP)	PBT	Priority PBT	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
US EPA - Toxics Release Inventory PBTs	PBT	PBT	LT-1	PBT (Persistence, Bioaccumulation & Toxicity)	Authoritative A	vH	Environmental Fate - Multiple
US NIH - Report on Carcinogens	CANCER	Known to be a human Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US NIH - Report on Carcinogens	CANCER	Known to be Human Carcinogen (respirable size - occupational setting)	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US NIH - Report on Carcinogens	CANCER	Reasonably Anticipated to be Human Carcinogen	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US NIH - Report on Carcinogens	CANCER	Reasonably Anticipated to be Human Carcinogen (respirable size - occupational setting)	LT-1	Carcinogenicity	Authoritative A	H	Group I Human
US NIH - Reproductive & Developmental Monographs	DEVELOPMENTAL	Clear Evidence of Adverse Effects - Developmental Toxicity	LT-1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative A	H	Group I Human
US NIH - Reproductive & Developmental Monographs	REPRODUCTIVE	Clear Evidence of Adverse Effects - Reproductive Toxicity	LT-1	Reproductive Toxicity	Authoritative A	H	Group I Human
US NIH - Reproductive	REPRODUCTIVE	Limited Evidence of Adverse Effects -	LT-P1	Reproductive Toxicity	Authoritative B	H-M	Group I Human

## Appendix E: HPD Priority List Warning, HPD Open Standard 2.2

& Developmental Monographs		Reproductive Toxicity					
US NIH - Reproductive & Developmental Monographs	DEVELOPMENTAL	Limited Evidence of Adverse Effects- Developmental Toxicity	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative B	H-M	Group I Human
US NIH - Reproductive & Developmental Monographs	DEVELOPMENTAL	Some Evidence of Adverse Effects - Developmental Toxicity	LT-P1	Developmental Toxicity incl. developmental neurotoxicity	Authoritative B	H-M	Group I Human
US NIH - Reproductive & Developmental Monographs	REPRODUCTIVE	Some Evidence of Adverse Effects - Reproductive Toxicity	LT-P1	Reproductive Toxicity	Authoritative B	H-M	Group I Human
WA DoE - PBT	PBT	PBT	LT-P1	PBT (Persistence, Bioaccumulation & Toxicity)	Screening A	vH	Environmental Fate - Multiple
<b>Agency and List Title</b>	<b>Hazard Type</b>	<b>Hazard Warning</b>	<b>Green Screen LT score</b>	<b>GreenScreen Hazard</b>	<b>GS List Type</b>	<b>GS Hazard Range</b>	<b>GS Group</b>
AOEC - Asthmagens	RESPIRATORY	Asthmagen (ARs) - sensitizer-induced - inhalable forms only	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human
AOEC - Asthmagens	RESPIRATORY	Asthmagen (Rr) - irritant-induced	LT-UNK	Respiratory Sensitization	Authoritative B	H-M	Group II* Human