COREFLEX 60-66W by CETCO

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 07 13 54 Thermoplastic Sheet Waterproofing

PRODUCT DESCRIPTION: COREFLEX 60 is a 1.5 mm (60 mil) nominal thermoplastic membrane reinforced with a 5.0 oz weft inserted knit polyester fabric integrally bonded to an Active Polymer Core (APC). COREFLEX 60 offers the ultimate in waterproofing barrier protection technology. The barrier performance starts with a thermoplastic membrane with welded seams providing a monolithic watertight barrier layer. The thermoplastic membrane is reinforced with a weft inserted knit polyester reinforcement fabric and is produced with DuPont's Elvaloy-KEE® (Keytone Ethylene Ester), a solid phase high molecular weight ethylene interpolymer. Unlike traditional liquid PVC plasticizers, the Elvaloy-KEE does not experience phase separation and migrate out; thus the membrane properties are maintained for long term performance. Elvaloy-KEE also provides superior chemical resistance properties. The Active Polymer Core layer is integrally bonded to the Elvaloy-KEE thermoplastic membrane. The APC layer is designed to activate with water to swell and form a positive seal. Thereby, at any unforeseen puncture or installation defect, the APC layer reacts at the breach, self-sealing to stop the water ingress. COREFLEX is the only welded thermoplastic membrane composite with this reactive, selfsealing performance feature.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- C Basic Method

Threshold Disclosed Per

- C Material
- Product

Threshold level 100 ppm 1,000 ppm Per GHS SDS Per OSHA MSDS Other

Residuals/Impurities

Residuals/Impurities Considered in 0 of 1 Materials

Explanation(s) provided for Residuals/Impurities? All Substances Above the Threshold Indicated Are:

Characterized O Yes Ex/SC O Yes O No % weight and role provided for all substances.

Screened

All substances screened using Priority Hazard Lists with results disclosed.

Identified

C Yes Ex/SC C Yes 🛈 No

○ Yes Ex/SC ⊙ Yes ○ No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

COREFLEX 60 [POLYVINYL CHLORIDE (PVC) LT-P1 | RES POLYETHYLENE TEREPHTHALATE (PET) LT-UNK ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK POLYPROPYLENE LT-UNK BENTONITE LT-UNK STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID NoGS TRIBUTYLTIN COMPOUNDS, WITH THE EXCEPTION OF THOSE SPECIFIED ELSEWHERE IN ANNEX XVII OF REGULATION (EC) NO 1907/2006 LT-1 | END | PBT | AQU | MAM | SKI | EYE | REP STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID NoGS ANTIMONY TRIOXIDE BM-1 | CAN | MUL ANTIMONY COMPOUNDS, INORGANIC LT-1 | CAN NON HALOGENATED FLAME RETARDANTS NoGS BUTYL BENZYL PHTHALATE (BBP) LT-1 | CAN | DEL | END | REP | MUL | AQU BUTYLBENZYL PHTHALATE AND METABOLITE NoGS PHTHALATES (ORTHOPHTHALATES) NoGS CADMIUM LT-1 | CAN | DEL | PBT | REP | AQU | PHY | MAM | GEN | MUL | END TOXIC HEAVY METALS NoGS CADMIUM COMPOUNDS, INORGANIC LT-1 | CAN | GEN CARBON BLACK LT-1 | CAN POLYCYCLIC AROMATIC HYDROCARBONS LT-1 | PBT | CAN POLYCYCLIC AROMATIC HYDROCARBONS (PAH) LT-1 | PBT | CAN POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP LT-1 | PBT DI-N-

COREFLEX 60-66W hpdrepository.hpd-collaborative.org Number of Greenscreen BM-4/BM3 contents ... 1 Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1 Nanomaterial ... No INVENTORY AND SCREENING NOTES:

Proprietary ingredients are generically identified.

HEXYLPHTHALATE (DNHP) LT-1 | REP | END | DEL SULFURIC ACID LT-1 | RES | CAN | SKI | MAM | PHY DI(2-ETHYLHEXYL)PHTHALATE (DEHP) (PRIMARY CASRN) LT-1 | CAN | DEL | END | REP | MUL LEAD LT-1 | DEL | CAN | PBT | REP | MUL | END | GEN LEAD COMPOUNDS, INORGANIC LT-1 | DEL | CAN | PBT | REP | GEN SHORT CHAIN CHLORINATED PARAFFINS (SCCP), C10-13 LT-1 | PBT | END | MUL | AQU | CAN EPOXIDIZED LINSEED OIL NOGS CHLORINATED ALKANES (C10-20, ENVIRONMENT CANADA) AKA CHLORINATED PARAFFINS LT-UNK | AQU | CAN CHLORINATED FLAME RETARDANTS (CFR) NoGS | PBT HALOGENATED FLAME RETARDANTS (HFRS) NoGS TITANIUM DIOXIDE LT-1 | CAN | END TITANIUM DIOXIDE COMPOUNDS LT-1 | CAN TRIBUTYLTIN LT-1 | END | PBT | AQU | MAM | SKI | EYE | REP | CAN | DEL_TRIBUTYLTIN COMPOUNDS LT-1 | END | PBT ANTIMONY TRIOXIDE BM-1 | CAN | MUL ANTIMONY COMPOUNDS, INORGANIC LT-1 | CAN NON HALOGENATED FLAME RETARDANTS NoGS MANGANESE OXIDE LT-P1 | REP NITROGEN NoGS ZINC OXIDE BM-1 | RES | AQU | MUL ZINC COMPOUNDS LT-UNK 1,1-DIMETHYLETHYL HYDROPEROXIDE BM-2 | GEN | MUL SULFURIC ACID LT-1 | RES | CAN | SKI | MAM | PHY TUNGSTATE(4-), [_12-[ORTHOSILICATO(4-)-0:0:0:0':0':0':0'':0'':0'':0''':0''']]TETRACOSA -_ OXODODECAOXODODECA-, TETRAHYDROGEN LT-UNK FORMALDEHYDE, COMPD WITH MONOSODIUM SULFITE (1:1) LT-UNK FORMALDEHYDE COMPOUNDS NoGS HYDROGEN PEROXIDE LT-UNK | PHY | SKI | CAN | MAM SODIUM PERSULFATE LT-P1 | RES PERSULFATE SALTS LT-UNK | RES ALUMINUM OXIDE BM-2 | RES ALUMINUM COMPOUNDS LT-UNK | RES IRON OXIDE LT-UNK MAGNESIUM OXIDE LT-UNK | CAN CALCIUM OXIDE LT-P1 FERRIC OXIDE BM-2 CAN IRON OXIDES (MAK LIST OF 4) LT-UNK | CAN *SILICA, AMOR<u>PHOUS</u>* LT-P1 | CAN *AMORPHOUS SILICA* SUBGROUPS (MAK LIST) LT-UNK PHOSPHORUS PENTOXIDE LT-P1 | SKI QUARTZ LT-1 | CAN CRYSTALLINE SILICAS - RESPIRABLE LT-1 | CAN SODIUM OXIDE LT-UNK SULFUR LT-UNK | SKI TITANIUM DIOXIDE LT-1 | CAN | END TITANIUM DIOXIDE COMPOUNDS LT-1 | CAN WATER BM-4 P-TOLUENESULFONIC ACID LT-P1 | SKI | EYE DIETHYL HEXYL PHTHALATE AND METABOLITES NoGS HALOGENATED ORGANIC COMPOUNDS NoGS ANTIMONY COMPOUNDS NoGS FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUS NoGS FLAME RETARDANTS NoGS CADMIUM COMPOUNDS LT-1 | CAN | AQU LEAD COMPOUNDS LT-1 [DEV | CAN | PBT | REP SHORT-CHAIN CHLORINATED PARAFFINS (SCCP) LT-1 | MUL | AQU | CAN | PBT BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST) NoGS AZOCOLOURANTS AND AZODYES NoGS BIOCIDES NoGS ANTIMICROBIALS NoGS ORGANOTIN COMPOUNDS LT-1 | PBT TIN COMPOUNDS NoGS TRIORGANOTIN COMPOUNDS LT-1 | PBT ANTIMONY COMPOUNDS NoGS FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUS NoGS FLAME RETARDANTS NoGS BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST) NoGS AZOCOLOURANTS AND AZODYES NoGS BIOCIDES NoGS ANTIMICROBIALS NoGS BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST) NoGS AZOCOLOURANTS AND AZODYES NoGS BIOCIDES NoGS ANTIMICROBIALS NoGS CHLORINATED ORGANIC COMPOUNDS NoGS CHLORINATED PARAFFINS LT-UNK | AQU | CAN]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings. VOC emissions: N/A

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes
 No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2018-05-29 PUBLISHED DATE: 2019-01-09 EXPIRY DATE: 2021-05-29 This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

COREFLEX 60		%: 100.0000 - 10	0.0000		
PRODUCT THRESHOLD: Per GH	S SDS	RESIDUALS AND IMPUF	RITIES CONSIDE	red: No	
RESIDUALS AND IMPURITIES NOTE	s: Residuals/Impurities not cons	idered.			
HPD URL: http://www.cetco	.com				
OTHER MATERIAL NOTES: There	noplastic waterproofing membra	ne			
POLYVINYL CHLORIDE (PV	/C)				ID: 9002-86-2
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCREENING DA	NTE: 2018-05-2	29	
%: 20.0000 - 40.0000	GS: LT-P1	RC: None NANO: N	No ROLE: Pa	assive Membrane	Barrier Component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS		
RESPIRATORY	AOEC - Asthmagens	Asthr	nagen (Rs) - se	ensitizer-induced	
SUBSTANCE NOTES:					
POLYETHYLENE TEREPHT	HALATE (PET)				ID: 25038-59-9
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCREE	NING DATE: 201	8-05-29	
%: 10.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reinford	ement fabric
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS		
	No hazards found				
SUBSTANCE NOTES: Geotextile	e Reinforcement Fabric				
ETHYLENE VINYL ACETAT	E POLYMER (EVA)				ID: 24937-78-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-29

	No hazards found				
SUBSTANCE NOTES: EVA co-po	lymer				
POLYPROPYLENE					ID: 9003-07-0
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCREE	NING DATE: 201	8-05-29	
%: 2.0000 - 8.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Pro	otective Geotextile
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS		
	No hazards found				
SUBSTANCE NOTES:					
-					
BENTONITE					ID: 1302-78-9
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SC	REENING DATE:	2018-05-29	
%: 2.0000 - 8.0000	GS: LT-UNK	RC: PreC	NANO:	lo ro	LE: Filler Material
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS		
	No hazards found				
SUBSTANCE NOTES: Filler Mate	rial				
-					
STRONG INORGANIC ACID	MISTS CONTAINING SULFURIC ACID				ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 20	18-05-29	
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE:	mpurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS		
	No hazards found				
SUBSTANCE NOTES: Imported f	rom Pharos process chemistry research				
	S, WITH THE EXCEPTION OF THOSE SPE I OF REGULATION (EC) NO 1907/2006	ECIFIED			ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library		HAZARD S	CREENING DAT	E: 2018-05-29
%: Impurity/Residual	GS: LT-1		RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS		
ENDOCRINE	EU - Priority Endocrine Disruptors	Categ	ory 1 - In vivo e	evidence of E	Endocrine Disruption

Activity

РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 10
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans

STRONG INORGANIC ACID	MISTS CONTAINING SULFURIC ACID			ID: Not registered
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
	No hazards found			

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANTIMONY TRIOXIDE

ID: 1309-64-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: BM-1	RC: UNK NANO: NO ROLE: Impurity/Residual		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	IARC	Group 2B - Possibly carcinogenic to humans		
CANCER	CA EPA - Prop 65	Carcinogen		
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen		
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CANCER	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man		
CANCER	Japan - GHS	Carcinogenicity - Category 1B		

ANTIMONY COMPOUNDS, INORGANIC					
HAZARD SCREENING METHOD: Pharos	Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29			
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS		
CANCER	МАК	Carcir man	nogen Group 2 -	Considered to be carcinogenic for	

NON HALOGENATED FLAME RETARDANTS

ID: Not registered

ID: 85-68-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNING	âS	
	No hazards found			

SUBSTANCE NOTES: Imported from Pharos process chemistry research

BUTYL BENZYL PHTHALATE (BBP)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29 %: Impurity/Residual GS: LT-1 RC: UNK NANO: **NO** ROLE: Impurity/Residual AGENCY AND LIST TITLES HAZARD TYPE WARNINGS CANCER US EPA - IRIS Carcinogens (1986) Group C - Possible human Carcinogen DEVELOPMENTAL CA EPA - Prop 65 **Developmental toxicity** ENDOCRINE EU - Priority Endocrine Disruptors Category 1 - In vivo evidence of Endocrine Disruption Activity REPRODUCTIVE EU - SVHC Authorisation List Toxic to reproduction - Banned unless Authorised ENDOCRINE OSPAR - Priority PBTs & EDs & equivalent Endocrine Disruptor - Substance of Possible Concern concern DEVELOPMENTAL US NIH - Reproductive & Developmental Clear Evidence of Adverse Effects - Developmental Toxicity Monographs REPRODUCTIVE US NIH - Reproductive & Developmental Some Evidence of Adverse Effects - Reproductive Toxicity Monographs RESTRICTED LIST **US EPA - PPT Chemical Action Plans** EPA Chemical of Concern - Action Plan published RESTRICTED LIST **US EPA - PPT Chemical Action Plans** TSCA Work Plan chemical - Action Plan in development ACUTE AQUATIC EU - GHS (H-Statements) H400 - Very toxic to aquatic life CHRON AQUATIC EU - GHS (H-Statements) H410 - Very toxic to aquatic life with long lasting effects

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DEVELOPMENTAL	EU - GHS (H-Statements)	H360Df - May damage the unborn child. Suspected of damaging fertility
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
DEVELOPMENTAL	Australia - GHS	H360Df - May damage the unborn child. Suspected of damaging fertility

BUTYLBENZYL PHTHALATE AND METABOLITE ID: Not registered HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29 %: Impurity/Residual Gs: NoGS Rc: UNK NANO: No RoLE: Impurity/Residual HAZARD TYPE AGENCY AND LIST TITLES WARNINGS VURNINGS VURNINGS VURNINGS

PHTHALATES (ORTHOPHT	HALATES)			ID: Not registered
HAZARD SCREENING METHOD: Pha	HAZARD SCREENING DATE: 2018-05-29			
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
CADMIUM				ID: 7440-43-9
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCREI	ENING DATE: 2018	3-05-29

%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
РВТ	US EPA - Priority PBTs (NWMP)	Priority PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivaler concern	PBT - Chemical for Priority Action
РВТ	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
REPRODUCTIVE	EU - GHS (H-Statements)	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
	New Zealand - GHS	6.8A - Known or presumed human reproductive or

		developmental toxicants
CANCER	Japan - GHS	Carcinogenicity - Category 1A
GENE MUTATION	МАК	Germ Cell Mutagen 3a
CANCER	Malaysia - GHS	H350 - May cause cancer
CANCER	Australia - GHS	H350 - May cause cancer

TOXIC HEAVY METALS				ID: Not registered
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29				3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CADMIUM COMPOUNDS, INORGANIC

ID: Not registered

Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
IAZARD TYPE	AGENCY AND LIST TITLES	WARN	NGS	
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans		
CANCER	CA EPA - Prop 65	Carcinogen		
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen		
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man		
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]		
GENE MUTATION	МАК	Gern	n Cell Mutagen 3a	1

CARBON BLACK				ıD: 1333-86-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCRE	ENING DATE: 2018	-05-29
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	МАК	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

POLYCYCLIC AROMATIC HYDROCARBONS

ID: 130498-29-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29			
%: Impurity/Residual	Residual GS: LT-1		RC: UNK NANO: No ROLE: Impurity/Residu		
HAZARD TYPE	AGENCY AND LIST TITLES	v	/ARNINGS		
РВТ	WA DoE - PBT	PBT			
CANCER	US NIH - Report on Carcinogens		Reasonably Anticipated to be Human Carcinogen		
РВТ	US EPA - Toxics Release Inventory PBTs		PBT		
РВТ	OSPAR - Priority PBTs & EDs & equivale concern	ent F	PBT - Chemical for Priority Action		
CANCER	MAK		Carcinogen Group 1 - nan	Substances that cause cancer in	

SUBSTANCE NOTES: Imported from Pharos process chemistry research

POLYCYCLIC AROMATIC HYDROCARBONS (PAH)

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WA	ARNINGS	
РВТ	WA DoE - PBT	PI	ЗТ	
РВТ	US EPA - Toxics Release Inventory PBT	s Pl	ЗТ	
РВТ	OSPAR - Priority PBTs & EDs & equivale concern	ent Pl	3T - Chemical for Pr	riority Action
CANCER	МАК		arcinogen Group 1 - an	Substances that cause cancer in

POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP					
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCREE	HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS		
РВТ	US EPA - Toxics Release Inventory PB	BTs PBT			

DI-N-HEXYLPHTHALATE (DNHP)

HAZARD SCREENING METHOD: Pharo	s Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO ROLE: Impurity/Residual		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female		
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male		
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Prioritized for listing		
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption		
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity		
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Limited Evidence of Adverse Effects- Developmental Toxicity		
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child		
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans		
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B		
DEVELOPMENTAL	Australia - GHS	H360Df - May damage the unborn child. Suspected of damaging fertility		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SULFURIC ACID

ID: 84-75-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-29

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
RESPIRATORY	AOEC - Asthmagens	As	thmagen (Rr) - irrita	nt-induced
CANCER	US NIH - Report on Carcinogens	Kr	Known to be a human Carcinogen	
SKIN IRRITATION	EU - GHS (H-Statements)	на	H314 - Causes severe skin burns and eye damage	
CANCER	МАК		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Ex	tremely Hazardous	Substances
CANCER	New Zealand - GHS	6.7	7A - Known or presu	umed human carcinogens
PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H2	90 - May be corros	ive to metals

DI(2-ETHYLHEXYL)PHTHALATE (DEHP) (PRIMARY CASRN)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO ROLE: Impurity/Residual		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen		
CANCER	IARC	Group 2B - Possibly carcinogenic to humans		
CANCER	CA EPA - Prop 65	Carcinogen		
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity		
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity		
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male		
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen		
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Banned unless Authorised		
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalen concern	Endocrine Disruptor - Chemical for Priority Action		
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity		
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development		
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn		

ID: 117-81-7

		child
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
ENDOCRINE	EU - SVHC Authorisation List	Equivalent Concern - Candidate List
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REPRODUCTIVE	Malaysia - GHS	H360Fd - May damage fertility. Suspected of damaging the unborn child
CANCER	Australia - GHS	H350 - May cause cancer
REPRODUCTIVE	Australia - GHS	H360Fd - May damage fertility. Suspected of damaging the unborn child

LEAD

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29 %: Impurity/Residual GS: LT-1 RC: UNK NANO: **NO** ROLE: Impurity/Residual HAZARD TYPE AGENCY AND LIST TITLES WARNINGS DEVELOPMENTAL **G&L** - Neurotoxic Chemicals **Developmental Neurotoxicant** CANCER US EPA - IRIS Carcinogens (1986) Group B2 - Probable human Carcinogen IARC CANCER Group 2A - Agent is probably Carcinogenic to humans IARC CANCER Group 2B - Possibly carcinogenic to humans CANCER CA EPA - Prop 65 Carcinogen DEVELOPMENTAL CA EPA - Prop 65 **Developmental toxicity** PBT US EPA - Priority PBTs (NWMP) Priority PBT PBT WA DoE - PBT PBT REPRODUCTIVE CA EPA - Prop 65 Reproductive Toxicity - Female REPRODUCTIVE CA EPA - Prop 65 Reproductive Toxicity - Male

COREFLEX 60-66W hpdrepository.hpd-collaborative.org ID: 7439-92-1

CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Toxics Release Inventory PBTs	РВТ
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	МАК	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
DEVELOPMENTAL	Australia - GHS	H360Df - May damage the unborn child. Suspected of damaging fertility

LEAD COMPOUNDS, INORGANIC

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant		
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen		

CANCER	IARC	Group 2A - Agent is probably Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
РВТ	US EPA - Toxics Release Inventory PBTs	PBT
CANCER	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
GENE MUTATION	МАК	Germ Cell Mutagen 3a

SHORT CHAIN CHLORINATED PARAFFINS (SCCP), C10-13

ID: 85535-84-8

HAZARD SCREENING METHOD: Pharos C	Chemical and Materials Library	HAZARD	SCREEN	ING DATE: 2018-	05-29
%: Impurity/Residual	GS: LT-1	rc: UN	IK	NANO: No	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNING	S	
РВТ	EU - ESIS PBT		PBT		
РВТ	UNEP Stockholm Conv - Persistent Organi Pollutants	ic	Priority	POP	
РВТ	WA DoE - PBT		PBT		
ENDOCRINE	EU - Priority Endocrine Disruptors		Catego Activity	-	dence of Endocrine Disruption
РВТ	EU - SVHC Authorisation List		PBT - F	Prioritized for list	ting
РВТ	EU - SVHC Authorisation List		vPvB -	Prioritized for lis	sting
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - S	Substance of Po	ssible Concern
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - C	Chemical for Pric	ority Action
РВТ	EC - CEPA DSL				lative and inherently Toxic (PBiTE) to d on aquatic organisms)
RESTRICTED LIST	US EPA - PPT Chemical Action Plans		EPA Ch	nemical of Conc	ern - Action Plan published
ACUTE AQUATIC	EU - GHS (H-Statements)		H400 -	Very toxic to aq	uatic life
CHRON AQUATIC	EU - GHS (H-Statements)		H410 -	Very toxic to aq	uatic life with long lasting effects
CANCER	EU - GHS (H-Statements)		H351 -	Suspected of ca	ausing cancer
MULTIPLE	ChemSec - SIN List		CMR -	Carcinogen, Mu	tagen &/or Reproductive Toxicant
РВТ	ChemSec - SIN List			PvB (Persistent ent & very Bioac	, Bioaccumulative, & Toxic / very ccumulative)

MULTIPLE	German FEA - Substances Hazardous to Waters		Class	3 - Sever	e Hazar	d to W	aters			
РВТ	EHP - San Antonio Statement on BFRs &	CFRs		retardan ange tran		ance cl	ass of c	oncerr	n for PB&	Т&
CHRON AQUATIC	US EPA - PPT Chemical Action Plans		Highly	toxic to	aquatic	organi	sms			
CANCER	MAK			ogen Gro t sufficie				arcino	genic eff	ects
	om Pharos process chemistry research									
EPOXIDIZED LINSEED OIL									ID: 8(016-11-3
HAZARD SCREENING METHOD: Phare	os Chemical and Materials Library	HAZAR	D SCREE	NING DATE	2018	-05-29	9			
%: Impurity/Residual	GS: NoGS	RC: U	NK	NANO:	No	ROL	E: Impu	rity/R	esidual	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNIN	GS						
	No hazards found									
SUBSTANCE NOTES: Imported fro	m Pharos process chemistry research									
CHLORINATED ALKANES (C1 CHLORINATED PARAFFINS	10-20, ENVIRONMENT CANADA) AKA							IC	: Not re	gistered
HAZARD SCREENING METHOD: Phare	os Chemical and Materials Library		HA	ZARD SCRE	EENING D	ATE: 2	018-05-	-29		
%: Impurity/Residual	GS: LT-UNK		RC:	UNK	NANO:	No	ROLE:	Impu	rity/Res	idual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNIN	GS						
CHRON AQUATIC	US EPA - PPT Chemical Action Plans		Highly	toxic to	aquatic	organi	sms			
CANCER	МАК			ogen Gro t sufficie				arcino	genic eff	ects
SUBSTANCE NOTES: Imported fro	om Pharos process chemistry research									
CHLORINATED FLAME RETA	RDANTS (CFR)							IC	: Not re	gistered
HAZARD SCREENING METHOD: Phare	os Chemical and Materials Library	HAZAR	D SCREE	NING DATE	2018	-05-29)			
		RC: UI	NK	NANO:	No	ROL	⊧ Impu	ritv/R	esidual	
%: Impurity/Residual	GS: NoGS	RC: UI								
%: Impurity/Residual	GS: NOGS	RC: UI	WARNIN	GS						
			WARNIN	^{GS} retardan ange tran			-		o for PB&	Т&

HALOGENATED FLAME RET	ARDANTS (HFRS)			ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported fr	rom Pharos process chemistry research			
TITANIUM DIOXIDE				ID: 13463-67-7
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCREE	ENING DATE: 2018	-05-29
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
CANCER	US CDC - Occupational Carcinogens	Осси	pational Carcino	gen
CANCER	CA EPA - Prop 65	Carci	nogen - specific	to chemical form or exposure route
CANCER	IARC		p 2B - Possibly c pational sources	arcinogenic to humans - inhaled from
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Poter	ntial Endocrine D	isruptor
CANCER	МАК		•	- Evidence of carcinogenic effects stablish MAK/BAT value
CANCER	МАК		nogen Group 4 - Inder MAK/BAT I	Non-genotoxic carcinogen with low evels
	WAN		•	5 C

TITANIUM DIOXIDE COMPO	DUNDS			ID: Not registered
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD	SCREENING DATE: 20	018-05-29
%: Impurity/Residual	GS: LT-1	RC: UN	K NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CANCER	US CDC - Occupational Carcinogens		Occupational Carci	inogen
CANCER	CA EPA - Prop 65		Carcinogen - speci	ific to chemical form or exposure route
CANCER	IARC		Group 2B - Possibl occupational sourc	ly carcinogenic to humans - inhaled from ces
CANCER	МАК		÷ .	3A - Evidence of carcinogenic effects o establish MAK/BAT value

TRIBUTYLTIN

HAZARD SCREENING METHOD: Pharos	Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
РВТ	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
DEVELOPMENTAL	МАК	Pregnancy Risk Group B

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TRIBUTYLTIN COMPOUNDS

ID: Not registered

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARN	INGS	
ENDOCRINE	EU - Priority Endocrine Disruptors	Cate Activ	0,	vidence of Endocrine Disruption
PBT	OSPAR - Priority PBTs & EDs & equiva	lent PBT	- Chemical for Pr	riority Action

concern

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANTIMONY TRIOXIDE

ID: 1309-64-4

HAZARD SCREENING METHOD: Phare	os Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29
%: Impurity/Residual	GS: BM-1	RC: UNK NANO: NO ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS	Carcinogenicity - Category 1B

SUBSTANCE NOTES: Imported from Pharos process chemistry research

ANTIMONY COMPOUNDS, INORGANIC ID: Not registered HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29 %: Impurity/Residual GS: LT-1 RC: UNK ROLE: Impurity/Residual NANO: **NO** HAZARD TYPE AGENCY AND LIST TITLES WARNINGS CANCER MAK Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Imported from Pharos process chemistry research

NON HALOGENATED FLAME RETARDANTS ID: Not registered IMAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29 %: Impurity/Residual GS: NOGS RC: UNK NANO: No ROLE: Impurity/Residual HAZARD TYPE AGENCY AND LIST TITLES WARNINGS VARNINGS VARNINGS SUBSTANCE NOTES: Imported from Pharos process chemistry research SUBSTANCE NOTES: Imported from Pharos process chemistry research

MANGANESE OXIDE				ID: 1317-34-6
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREE	ENING DATE: 2018	8-05-29
%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
REPRODUCTIVE	Japan - GHS	Toxic	to reproduction	- Category 1B
SUBSTANCE NOTES: Impor	ted from Pharos process chemistry research			
NITROGEN				ıd: 7727-37-9
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREE	ENING DATE: 2018	8-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
	No hazards found			
ZINC OXIDE	Pharos Chemical and Materials Library	HAZARD SCREE	ENING DATE: 2018	ID: 1314-13-2 8- 05-29
%: Impurity/Residual	GS: BM-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
RESPIRATORY	AOEC - Asthmagens	Asthm	agen (Rs) - sens	sitizer-induced
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 ·	- Very toxic to a	quatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 ·	- Very toxic to a	quatic life with long lasting effects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class	2 - Hazard to W	aters
SUBSTANCE NOTES: Impor	ted from Pharos process chemistry research			ID: Not registered
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
	No hazards found			

AZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
i: Impurity/Residual	GS: BM-2	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
GENE MUTATION	EU - GHS (H-Statements)	H341	- Suspected of c	ausing genetic defects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class	3 - Severe Haza	rd to Waters

SULFURIC ACID		ID: 7664-93-9
HAZARD SCREENING METHOD: Pharos (Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr) - irritant-induced
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H290 - May be corrosive to metals

SUBSTANCE NOTES: Imported from Pharos process chemistry research

TUNGSTATE(4-), [_12-[ORTHOSILICATO(4-)-ID: 12027-38-2 0:0:0:0':0':0':0'':0'':0''':0''':0''']]TETRACOSA -_-OXODODECAOXODODECA-, TETRAHYDROGEN HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29 %: Impurity/Residual GS: LT-UNK RC: NANO: ROLE: UNK No Impurity/Residual HAZARD TYPE AGENCY AND LIST TITLES WARNINGS No hazards found

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS	
	No hazards found			
SUBSTANCE NOTES: Imported f	rom Pharos process chemistry research			
				ID: Not registere
FORMALDEHYDE COMPOU		HAZARD SCREE	ENING DATE: 2018	
FORMALDEHYDE COMPOU	INDS	HAZARD SCREE RC: UNK	ENING DATE: 2018 NANO: NO	
FORMALDEHYDE COMPOU	INDS aros Chemical and Materials Library		NANO: NO	3-05-29

HYDROGEN PEROXIDE				ID: 7722-84-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCR	EENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-UNK	RC: UNK	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H271 - May cause fire or explosion; strong oxidiser		
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage		
CANCER	МАК		nogen Group 4 - Inder MAK/BAT le	Non-genotoxic carcinogen with low evels
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extre	mely Hazardous	Substances
PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H271	- May cause fire	or explosion; strong oxidizer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SODIUM PERSULFATE

ID: 7775-27-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS	
RESPIRATORY	AOEC - Asthmagens	Asthn	nagen (G) - gene	rally accepted
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
PERSULFATE SALTS				ID: Not register
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS	
RESPIRATORY	AOEC - Asthmagens	Asthn	nagen (G) - gene	rally accepted
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
ALUMINUM OXIDE				ID: 1344-2 8
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCREI	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: BM-2	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS	
RESPIRATORY	AOEC - Asthmagens	Asthn	nagen (Rs) - sens	sitizer-induced
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
ALUMINUM COMPOUNDS				ID: Not register
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
		RC: UNK	NANO: NO	ROLE: Impurity/Residual
%: Impurity/Residual	GS: LT-UNK	no. UNIX		
%: Impurity/Residual	GS: LT-UNK	WARNIN		
		WARNIN		sitizer-induced
HAZARD TYPE RESPIRATORY	AGENCY AND LIST TITLES	WARNIN	IGS	sitizer-induced
HAZARD TYPE RESPIRATORY SUBSTANCE NOTES: Imported	AGENCY AND LIST TITLES AOEC - Asthmagens	WARNIN	IGS	
RESPIRATORY SUBSTANCE NOTES: Imported	AGENCY AND LIST TITLES AOEC - Asthmagens	WARNIN	IGS	ID: 1332-3 7

HAZARD TYPE	

AGENCY AND LIST TITLES

WARNINGS

No hazards found

HAZARD SCREENING METHOD: Pha	HAZARD SCREENING DATE: 2018-05-29				
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS		
CANCER	МАК		nogen Group 4 - nder MAK/BAT I	Non-genotoxic carcinogen with low evels	
SUBSTANCE NOTES: Imported f	rom Pharos process chemistry research				
CALCIUM OXIDE				ıD: 1305-78 -	
AZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCREE	ENING DATE: 2018	3-05-29	
%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: NO	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS		
	No hazards found				
SUBSTANCE NOTES: Imported f	rom Pharos process chemistry research				
SUBSTANCE NOTES: Imported f				ID: 1309-37	
		HAZARD SCREE	ENING DATE: 201 8		
	rom Pharos process chemistry research	HAZARD SCREE RC: UNK	ENING DATE: 2018 NANO: NO	ID: 1309-37 3-05-29 ROLE: Impurity/Residual	
ERRIC OXIDE	rom Pharos process chemistry research		NANO: NO	3-05-29	
FERRIC OXIDE	rom Pharos process chemistry research aros Chemical and Materials Library GS: BM-2	RC: UNK WARNIN Carcir	NANO: No gs	3-05-29 ROLE: Impurity/Residual - Evidence of carcinogenic effects	
FERRIC OXIDE HAZARD SCREENING METHOD: Pha 6: Impurity/Residual HAZARD TYPE CANCER	rom Pharos process chemistry research aros Chemical and Materials Library GS: BM-2	RC: UNK WARNIN Carcir	NANO: No gs nogen Group 3B	3-05-29 ROLE: Impurity/Residual - Evidence of carcinogenic effects	
ERRIC OXIDE AZARD SCREENING METHOD: Pha S: Impurity/Residual HAZARD TYPE CANCER SUBSTANCE NOTES: Imported f	rom Pharos process chemistry research ros Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK rom Pharos process chemistry research	RC: UNK WARNIN Carcir	NANO: No gs nogen Group 3B	3-05-29 ROLE: Impurity/Residual - Evidence of carcinogenic effects	
ERRIC OXIDE	rom Pharos process chemistry research rros Chemical and Materials Library GS: BM-2 AGENCY AND LIST TITLES MAK rom Pharos process chemistry research	RC: UNK WARNIN Carcir but no	NANO: No gs nogen Group 3B	3-05-29 ROLE: Impurity/Residual - Evidence of carcinogenic effects lassification	

	AGENCY AND LIST TITLES	WARNIN	IGS	
CANCER	МАК		nogen Group 3B ot sufficient for c	- Evidence of carcinogenic effects lassification
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
SILICA, AMORPHOUS				ID: 7631-86-9
HAZARD SCREENING METHOD: Ph	naros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS	
CANCER	Japan - GHS	Carci	nogenicity - Cate	egory 1A
CANCER	Australia - GHS	H350i	- May cause ca	ncer by inhalation
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
_				
AMORPHOUS SILICA SUB	GROUPS (MAK LIST)			ID: Not registered
HAZARD SCREENING METHOD: Ph	naros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual
%: Impurity/Residual	GS: LT-UNK	RC: UNK		ROLE: Impurity/Residual
				ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES			ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES			ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research			ROLE: Impurity/Residual
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	WARNIN		ID: 1314-56-3
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	WARNIN	IGS	ID: 1314-56-3
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID HAZARD SCREENING METHOD: Ph	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research E haros Chemical and Materials Library	WARNIN HAZARD SCREE	igs Ening date: 201 Nano: No	ID: 1314-56-3 8-05-29
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID HAZARD SCREENING METHOD: Ph %: Impurity/Residual	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research E haros Chemical and Materials Library GS: LT-P1	WARNIN HAZARD SCREI RC: UNK WARNIN	IGS ENING DATE: 201 NANO: NO	ID: 1314-56-3 8-05-29
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID HAZARD SCREENING METHOD: Ph %: Impurity/Residual HAZARD TYPE SKIN IRRITATION	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research E haros Chemical and Materials Library GS: LT-P1 AGENCY AND LIST TITLES	WARNIN HAZARD SCREI RC: UNK WARNIN	IGS ENING DATE: 201 NANO: NO	ID: 1314-56-3 8-05-29 ROLE: Impurity/Residual
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID HAZARD SCREENING METHOD: Ph %: Impurity/Residual HAZARD TYPE SKIN IRRITATION	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research E haros Chemical and Materials Library GS: LT-P1 AGENCY AND LIST TITLES EU - GHS (H-Statements)	WARNIN HAZARD SCREI RC: UNK WARNIN	IGS ENING DATE: 201 NANO: NO	ID: 1314-56-3 8-05-29 ROLE: Impurity/Residual
HAZARD TYPE SUBSTANCE NOTES: Imported PHOSPHORUS PENTOXID HAZARD SCREENING METHOD: Ph %: Impurity/Residual HAZARD TYPE SKIN IRRITATION SUBSTANCE NOTES: Imported QUARTZ	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research E haros Chemical and Materials Library GS: LT-P1 AGENCY AND LIST TITLES EU - GHS (H-Statements)	WARNIN HAZARD SCREI RC: UNK WARNIN H314	IGS ENING DATE: 201 NANO: NO	ID: 1314-56-3 B-05-29 ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

CRYSTALLINE SILICAS - RESPIRABLE

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29			
%: Impurity/Residual	GS: LT-1	RC: UNK NANO: NO ROLE: Impurity/Residual			
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS			
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route			
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources			
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)			
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man			

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SODIUM OXIDE				ID: 1313-59- 3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2018-05-29				
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
	No hazards found			

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		ation

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	RC: U	ROLE: Impurity/Residual		
HAZARD TYPE	AGENCY AND LIST TITLES		WARNIN	GS	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen			
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure rout			
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled frocupational sources			
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor			isruptor
CANCER	МАК	Carcinogen Group 3A - Evidence of carcinogenic effect but not sufficient to establish MAK/BAT value			0
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with risk under MAK/BAT levels			

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-05-29		
%: Impurity/Residual	GS: LT-1	rc: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS	
CANCER	US CDC - Occupational Carcinogens	Occ	cupational Carcino	ogen
CANCER	CA EPA - Prop 65	Car	cinogen - specific	to chemical form or exposure route
CANCER	IARC		up 2B - Possibly oupational sources	carcinogenic to humans - inhaled from
CANCER	МАК		e 1	A - Evidence of carcinogenic effects

WATER				ID: 7732-18-5	
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCREENING DATE: 2018-05-29			
%: Impurity/Residual	GS: BM-4	RC: UNK	NANO: NO	ROLE: Impurity/Residual	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS		
	No hazards found				
SUBSTANCE NOTES: Imported	from Pharos process chemistry research				
P-TOLUENESULFONIC ACI	D			ID: 104-15-4	
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29	

%: Impurity/Residual	GS: LT-P1	RC: UNK NANO: NO ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	8-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported	rom Pharos process chemistry research			
HALOGENATED ORGANIC	COMPOUNDS			ID: Not registere

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			

ANTIMONY COMPOUN	DS					ID: Not registered
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENIN	IG DATE: 2018	-05-29	
%: Impurity/Residual	GS: NoGS	RC: UNK		NANO: NO	ROLE: Impu	rity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS			
	No hazards found					
SUBSTANCE NOTES: IMPOR	ted from Pharos process chemistry research					
FLAME RETARDANTS, ORGANOPHOSPHORO	NON-HALOGENATED, NON- US					ID: Not registered
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZAF	RD SCR	EENING DATE: 2	2018-05-29	
%: Impurity/Residual	GS: NoGS	RC: U	JNK	NANO: NO	ROLE: IM	purity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS			
	No hazards found					
SUBSTANCE NOTES: Impor	ted from Pharos process chemistry research					
FLAME RETARDANTS						ID: Not registered
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENIN	IG DATE: 2018	-05-29	
%: Impurity/Residual	GS: NoGS	RC: UNK		NANO: No	ROLE: Impu	rity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS			
	No hazards found					
SUBSTANCE NOTES: Impor	ted from Pharos process chemistry research					
	DS					ID: Not registered
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCI	REENIN	g date: 2018-	05-29	
%: Impurity/Residual	GS: LT-1	RC: UNK		NANO: No	ROLE: Impu	rity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS			
CANCER	IARC	Gro	oup 1 ·	- Agent is Card	cinogenic to hu	imans
CANCER	CA EPA - Prop 65	Ca	rcinog	en		
CANCER	US CDC - Occupational Carcinogens	Oc	cupati	onal Carcinog	en	
CANCER	US NIH - Report on Carcinogens	Kn	own to	be a human (Carcinogen	
ACUTE AQUATIC	EU - GHS (H-Statements)	H4	00 - Ve	ery toxic to aq	uatic life	

CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]

LEAD COMPOUNDS

ID: Not registered

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD	SCREENING DA	TE: 2018	-05-29
%: Impurity/Residual	GS: LT-1	RC: UNI	K NANC): No	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	١	WARNINGS		
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	I	Development	al Neurot	oxicant
CANCER	CA EPA - Prop 65	(Carcinogen		
РВТ	US EPA - Toxics Release Inventory PBTs	s	РВТ		
REPRODUCTIVE	Korea - GHS		Reproductive fertility or the	-	- Category 1 [H360 - May damage shild]
CANCER	US NIH - Report on Carcinogens		Reasonably A	Anticipate	d to be Human Carcinogen

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SHORT-CHAIN CHLORINATED PARAFFINS (SCCP)

ID: Not registered

HPD v2.1.1 created via HPDC Builder Page 30 of 39

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD	SCREENING DATE: 20	18-05-29
%: Impurity/Residual	GS: LT-1	RC: UN	IK NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RESTRICTED LIST	US EPA - PPT Chemical Action Plans		EPA Chemical of Co	oncern - Action Plan published
CHRON AQUATIC	US EPA - PPT Chemical Action Plans		Highly toxic to aqua	tic organisms
CANCER	МАК		Carcinogen Group 3 but not sufficient for	BB - Evidence of carcinogenic effects r classification
РВТ	UNEP Stockholm Conv - Persistent Organ Pollutants	iic	Priority POP	
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	t	PBT - Chemical for	Priority Action

	BIOCIDAL COATINGS / BIOCIDA	AL ADDITIVES (GADSL LIST)			ID: Not registered
	HAZARD SCREENING METHOD: Pharos	Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	}-05-29
	%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
RF	%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Imported from Pharos process chemistry research

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	8-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			
SUBSTANCE NOTES: Import	ed from Pharos process chemistry research			
BIOCIDES				ID: Not registere
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	8-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			
SUBSTANCE NOTES: Import	No hazards found ed from Pharos process chemistry research			
SUBSTANCE NOTES: Import				
SUBSTANCE NOTES: Import				ID: Not registere
ANTIMICROBIALS		HAZARD SCRE	ENING DATE: 201 8	
ANTIMICROBIALS	ed from Pharos process chemistry research			ID: Not registere 8-05-29 ROLE: Impurity/Residual
ANTIMICROBIALS	ed from Pharos process chemistry research Pharos Chemical and Materials Library		NANO: NO	8-05-29
ANTIMICROBIALS HAZARD SCREENING METHOD: %: Impurity/Residual	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS	rc: UNK	NANO: NO	8-05-29
ANTIMICROBIALS HAZARD SCREENING METHOD: %: Impurity/Residual HAZARD TYPE	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	rc: UNK	NANO: NO	8-05-29
ANTIMICROBIALS HAZARD SCREENING METHOD: %: Impurity/Residual HAZARD TYPE	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found	rc: UNK	NANO: NO	8-05-29
ANTIMICROBIALS HAZARD SCREENING METHOD: K: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Import	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found ed from Pharos process chemistry research	rc: UNK	NANO: NO	8-05-29 ROLE: Impurity/Residual
ANTIMICROBIALS AZARD SCREENING METHOD: AZARD SCREENING METHOD: AZARD TYPE SUBSTANCE NOTES: Import	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found ed from Pharos process chemistry research	RC: UNK	NANO: NO	8-05-29 ROLE: Impurity/Residual
ANTIMICROBIALS AZARD SCREENING METHOD: AZARD TYPE SUBSTANCE NOTES: Import DRGANOTIN COMPOUN AZARD SCREENING METHOD:	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found ed from Pharos process chemistry research	RC: UNK	NANO: No	8-05-29 ROLE: Impurity/Residual
ANTIMICROBIALS HAZARD SCREENING METHOD: %: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Import	ed from Pharos process chemistry research Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found ed from Pharos process chemistry research IDS Pharos Chemical and Materials Library	RC: UNK WARNIN	NANO: NO NGS ENING DATE: 2018 NANO: NO	8-05-29 ROLE: Impurity/Residual ID: Not registere

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SUBSTANCE NOTES: Impo	rted from Pharos	process che	emistry research
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	ares Chemical and Meterials Librery		ENING DATE: 2018	2-05-20
AZARD SCREENING METHOD: PR	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	-05-29
ः Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
RIORGANOTIN COMPOUN	NDS			ID: Not registere
AZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCREI	ENING DATE: 2018	-05-29
6: Impurity/Residual	GS: LT-1	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
PBT	OSPAR - Priority PBTs & EDs & equivale	ent PBT-	Chemical for Pri	ority Action
	concern from Pharos process chemistry research			
	concern			ID: Not registere
SUBSTANCE NOTES: Imported 1	concern		ENING DATE: 2018	
SUBSTANCE NOTES: Imported f	concern from Pharos process chemistry research			
SUBSTANCE NOTES: Imported f	concern from Pharos process chemistry research aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018 NANO: NO	3-05-29
SUBSTANCE NOTES: Imported f	concern from Pharos process chemistry research aros Chemical and Materials Library GS: NoGS	HAZARD SCRE RC: UNK	ENING DATE: 2018 NANO: NO	3-05-29
SUBSTANCE NOTES: Imported f NTIMONY COMPOUNDS AZARD SCREENING METHOD: Pha b: Impurity/Residual HAZARD TYPE	concern from Pharos process chemistry research aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	HAZARD SCRE RC: UNK	ENING DATE: 2018 NANO: NO	3-05-29
SUBSTANCE NOTES: Imported f NTIMONY COMPOUNDS IAZARD SCREENING METHOD: Pha 6: Impurity/Residual HAZARD TYPE	concern from Pharos process chemistry research aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	HAZARD SCRE RC: UNK	ENING DATE: 2018 NANO: NO	ROLE: Impurity/Residual
SUBSTANCE NOTES: Imported 1 ANTIMONY COMPOUNDS IAZARD SCREENING METHOD: Pha a: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported 1 SLAME RETARDANTS, NON DRGANOPHOSPHOROUS	concern from Pharos process chemistry research aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	HAZARD SCRE RC: UNK WARNI	ENING DATE: 2018 NANO: NO	ROLE: Impurity/Residual
SUBSTANCE NOTES: Imported 1 ANTIMONY COMPOUNDS AZARD SCREENING METHOD: Pha a: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported 1 CLAME RETARDANTS, NON DRGANOPHOSPHOROUS	concem from Pharos process chemistry research aros Chemical and Materials Library Gs: NoGS AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	HAZARD SCRE RC: UNK WARNI	ENING DATE: 2018 NANO: NO NGS SCREENING DATE: 1	ROLE: Impurity/Residual
SUBSTANCE NOTES: Imported for an and the second sec	concem from Pharos process chemistry research aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research A-HALOGENATED, NON- aros Chemical and Materials Library	HAZARD SCRE RC: UNK WARNI	ENING DATE: 2018 NANO: NO NGS SCREENING DATE: : K NANO: NO	ROLE: Impurity/Residual

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	8-05-29
inpurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNII	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported f	rom Pharos process chemistry research			
BIOCIDAL COATINGS / BIO	CIDAL ADDITIVES (GADSL LIST)			ID: Not register
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNII	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported f				
AZOCOLOURANTS AND AZ				ID: Not register
AZOCOLOURANTS AND AZ		HAZARD SCRE	ENING DATE: 201	
AZOCOLOURANTS AND AZ	ODYES	HAZARD SCRE RC: UNK	ening date: 201 Nano: No	
AZOCOLOURANTS AND AZ	ODYES aros Chemical and Materials Library		NANO: NO	8-05-29
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha %: Impurity/Residual	CODYES aros Chemical and Materials Library GS: NoGS	rc: UNK	NANO: NO	8-05-29
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha %: Impurity/Residual HAZARD TYPE	CODYES aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	rc: UNK	NANO: NO	8-05-29
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha %: Impurity/Residual HAZARD TYPE	CODYES aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found	rc: UNK	NANO: NO	8-05-29 ROLE: Impurity/Residual
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha %: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported f	CODYES aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found	RC: UNK	NANO: NO	8-05-29 ROLE: Impurity/Residual
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha %: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported f BIOCIDES HAZARD SCREENING METHOD: Pha	AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	RC: UNK	NANO: No	8-05-29 ROLE: Impurity/Residual
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha 14. Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported f BIOCIDES HAZARD SCREENING METHOD: Pha	AGENCY AND LIST TITLES AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research	RC: UNK WARNI HAZARD SCRE	NANO: NO NGS ENING DATE: 201 NANO: NO	8-05-29 ROLE: Impurity/Residual ID: Not register
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha Is: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported f BIOCIDES HAZARD SCREENING METHOD: Pha Is: Impurity/Residual	CODYES Inros Chemical and Materials Library GS: NOGS AGENCY AND LIST TITLES No hazards found Trom Pharos process chemistry research Inros Chemical and Materials Library GS: NOGS	RC: UNK WARNIN HAZARD SCRE RC: UNK	NANO: NO NGS ENING DATE: 201 NANO: NO	8-05-29 ROLE: Impurity/Residual ID: Not register
AZOCOLOURANTS AND AZ HAZARD SCREENING METHOD: Pha K: Impurity/Residual HAZARD TYPE SUBSTANCE NOTES: Imported f BIOCIDES HAZARD SCREENING METHOD: Pha K: Impurity/Residual HAZARD TYPE	CODYES aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found from Pharos process chemistry research aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	RC: UNK WARNIN HAZARD SCRE RC: UNK	NANO: NO NGS ENING DATE: 201 NANO: NO	8-05-29 ROLE: Impurity/Residual ID: Not register

HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported fr	rom Pharos process chemistry research			
BIOCIDAL COATINGS / BIOC	CIDAL ADDITIVES (GADSL LIST)			ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported fr	rom Pharos process chemistry research			
AZOCOLOURANTS AND AZO	ODYES			ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported fr	rom Pharos process chemistry research			
BIOCIDES				ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	NGS	
	No hazards found			
SUBSTANCE NOTES: Imported fr	rom Pharos process chemistry research			
ANTIMICROBIALS				ID: Not registered
HAZARD SCREENING METHOD: Pha	ros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	IGS	
	No hazards found			
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
CHLORINATED ORGANIC	COMPOUNDS			ID: Not registered
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCREE	ENING DATE: 2018	3-05-29
%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
	No hazards found			
SUBSTANCE NOTES: Imported	from Pharos process chemistry research			
CHLORINATED PARAFFIN	5			ID: Not registered
HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 201	8-05-29
%: Impurity/Residual	GS: LT-UNK	rc: UNK	NANO: NO	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNIN	GS	
CHRON AQUATIC	US EPA - PPT Chemical Action Plans	Highly	toxic to aquatio	corganisms
CANCER	МАК	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	N/A			
CERTIFYING PARTY: Self-declared Applicable facilities: N/A CERTIFICATE URL:	ISSUE DATE: 2019-01-01	EXPIRY DATE:	CERTIFIER OR LAB: N/A	
CERTIFICATION AND COMPLIANCE NOTES:				

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

COREFLASH 60

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.

COREFLASH UV

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.

COREFLASH NR

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.

CORETEX SA-13

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.

CORECLAD

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.

COREDISC

HPD URL: http://cetco.com

HPD URL: http://cetco.com

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

HPD URL: http://cetco.com

HPD URL: http://cetco.com

HPD URL: http://cetco.com

HPD URL: http://cetco.com

Install according to manufacturer's guidelines.

PF-150	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
PF-340	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
UNIVERSAL CORNER	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
AD-100	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
AKWASWELL	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
CORETEX	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
CETSEAL	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
TB-BOOT	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	
CORECAP	HPD URL: http://cetco.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Install according to manufacturer's guidelines.	

HPD v2.1.1 created via HPDC Builder Page 37 of 39

E

Waterproofing membrane system used for the following applications: below-grade foundations, including property line applications; split-slab plaze decks, greenroofs and tunnels.

MANUFACTURER INFORMATION

MANUFACTURER: CETCO ADDRESS: 2870 Forbs Ave Hoffman Estates Illinois 60192, United States WEBSITE: http://cetco.com CONTACT NAME: Stacy Byrd TITLE: Technical Services Director PHONE: 8478511800 EMAIL: Tech.Services@mineralstech.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insuficient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial) PostC Postconsumer Both Both Preconsumer and Postconsumer Unk Inclusion of recycled content is unknown None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material Nested Method / Product Threshold Substances listed within each material per threshold indicated per product Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology Third Party Verified Verification by independent certifier approved by HPDC Preparer Third party preparer, if not self-prepared by manufacturer Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.

GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic PHY Physical Hazard (reactive) REP Reproductive toxicity RES Respiratory sensitization SKI Skin sensitization/irritation/corrosivity LAN Land Toxicity NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) NoGS Unknown (no data on List Translator Lists)