

#### Rollease Acmeda Alkenz 4000 NET Fabric by Rollease Acmeda

### Health Product Declaration v2.1.1

created via: HPDC Online Builder

#### CLASSIFICATION: 12 Furnishings

PRODUCT DESCRIPTION: Included in this HPD is the window shade fabric only. All assembly and system parts are excluded. A separate HPD covers those parts. This fabric can be used in roller shades and panel track applications to minimize the negative effects of the sun while preserving outward visibility. 4000 NET solar screen fabrics have an openness factor of 3% or 5% with a thickness of 0.029 in +/-5% or 0.027 in +/-5% respectively.

#### Section 1: Summary

#### **Nested Method / Product Threshold**

#### **CONTENT INVENTORY**

Inventory Reporting Format

Nested Materials Method
 Basic Method

**Threshold Disclosed Per** 

C Material Product Threshold level © 100 ppm © 1,000 ppm © Per GHS SDS © Per OSHA MSDS © Other Residuals/Impurities

Considered in 8 of 8 Materials Explanation(s) provided for Residuals/Impurities? • Yes O No All Substances Above the Threshold Indicated Are:

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

Screened O Yes Ex/SC O Yes O No All substances screened using Priority Hazard Lists with results disclosed.

Identified O Yes Ex/SC O Yes O No All substances disclosed by Name (Specific or Generic) and Identifier.

#### 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

PVC [ POLYVINYL CHLORIDE LT-P1 | RES 1,2-PROPANEDIOL, POLYMER WITH 1,1'-METHYLENEBIS(4-ISOCYANATOBENZENE), 2-METHYLOXIRANE AND OXIRANE NoGS 1,3-BUTADIENE, 1-CHLORO-, POLYMER WITH 1, BUTADIENE AND 2-CHLORO-1,3-BUTADIENE LT-UNK 2-BUTENE LT-UNK PHY ACETYLENE LT-UNK | PHY BUTENE LT-UNK ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE) LT-1 | CAN | PHY | SKI | EYE | MUL HYDROCHLORIC ACID BM-2 | RES | SKI | MAM IRON LT-P1 | END PROPYLENE BM-U | PHY | END SODIUM HYDROXIDE LT-P1 | SKI | PHY ] POLYETHYLENE TEPHTHALATE [ POLYETHYLENE TEREPHTHALATE LT-UNK ] PLASTICIZER [ DI(2-ETHYLHEXYL) TEREPHTHALATE BM-3 ] CALCIUM CARBONATE [ CALCIUM CARBONATE BM-3 ] TITANIUM DIOXIDE [ TITANIUM DIOXIDE LT-1 | CAN | END ] ZINC STEARATE [ OCTADECANOIC ACID, ZINC SALT LT-UNK ] ANTIMONY OXIDE [ ANTIMONY OXIDE (ANTIMONY TRIOXIDE) BM-1 | CAN | AQU | MUL ARSENIC, INORGANIC LT-1 | DEL | CAN | PBT | AQU | MAM | END | MUL | GEN COPPER LT-UNK IRON LT-P1 | END LEAD LT-1 | DEL | CAN | PBT | REP | MUL | END | GEN NICKEL (METALLIC) LT-1 | RES | CAN | SKI | MAM | MUL ] ZINC PYRITHIONE [ ZINC PYRITHIONE BM-1tp | MUL ]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT VOC Content data is not applicable for this product category. Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Residuals and impurities were screened using the toxnet database. This database is a general database and lists possible residuals and impurities for chemicals and substances as reported in peer-reviewed studies or other credible documentation. Just because a chemical could have the impurity listed in the database does not mean that this material contains that impurity. Actual impurities are a product of the sourced product and its suppliers. Residuals and impurities listed in the HPD are for information purposes only and are not 100% guaranteed to be present in the fabric.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings. VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) -Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

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Third Party Verified? O Yes O No PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2019-04-08 PUBLISHED DATE: 2019-04-08 EXPIRY DATE: 2022-04-08

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#### Section 2: Content in Descending Order of Quantity

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

	n RESIDUAL	S AND IMPURITIES	CONSIDERED:	Yes	
	s: This inventory is reported to 100 e information and the process and		-		-
UTADIENE <6.0 ppm; 1-	YLENE <2.0 ppm; ACIDITY, AS HC BUTENE <3.0 ppm; 2-BUTENE <0. 'LENE <8.0 ppm; IRON, BY wt <0.2	5% ppm; ETH	YLENE <4.0	) ppm; ET⊦	IYLENE DICHLORID
POLYVINYL CHLORIDE					ID: <b>9002-8</b>
HAZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 20	19-04-08	
%: 40.0000 - 60.0000	GS: LT-P1	RC: UNK	NANO: <b>NO</b>	ROLE: Poly	/mer/Yarn Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
RESPIRATORY	AOEC - Asthmagens	Ast	nmagen (Rs) - s	sensitizer-indu	iced
	.25 ppm/IMPURITY LEVEL IN VINYL CHL	ORID			0.0 ppm; PROPYLENE
1,2-PROPANEDIOL, POLYM	IER WITH 1,1'-METHYLENEBIS(4- METHYLOXIRANE AND OXIRANE	ORID			ID: <b>68083-7</b>
1,2-PROPANEDIOL, POLYM ISOCYANATOBENZENE), 2-	IER WITH 1,1'-METHYLENEBIS(4-	ORID	HAZARD SC	REENING DATE:	
1,2-PROPANEDIOL, POLYM ISOCYANATOBENZENE), 2-	IER WITH 1,1'-METHYLENEBIS(4- -METHYLOXIRANE AND OXIRANE	ORID			ID: <b>68083-7</b>
1,2-PROPANEDIOL, POLYM ISOCYANATOBENZENE), 2- HAZARD SCREENING METHOD: Pha	IER WITH 1,1'-METHYLENEBIS(4- -METHYLOXIRANE AND OXIRANE aros Chemical and Materials Library				ID: 68083-7 2019-04-08
1,2-PROPANEDIOL, POLYM ISOCYANATOBENZENE), 2- HAZARD SCREENING METHOD: Pha %: Impurity/Residual	AFR WITH 1,1'-METHYLENEBIS(4- -METHYLOXIRANE AND OXIRANE aros Chemical and Materials Library GS: NoGS		RC: UNK		ID: 68083-7 2019-04-08
1,2-PROPANEDIOL, POLYM ISOCYANATOBENZENE), 2- HAZARD SCREENING METHOD: Pha %: Impurity/Residual HAZARD TYPE	AGENCY AND LIST TITLES	ware	RC: UNK	NANO: No	ID: 68083-7 2019-04-08 ROLE: Impurity/Residu
1,2-PROPANEDIOL, POLYM ISOCYANATOBENZENE), 2- HAZARD SCREENING METHOD: Pha %: Impurity/Residual HAZARD TYPE	IER WITH 1,1'-METHYLENEBIS(4- -METHYLOXIRANE AND OXIRANE aros Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES No hazards found	ware	RC: UNK	NANO: No	ID: 68083-7 2019-04-08 ROLE: Impurity/Residu





AZARD SCREENING METHOD: Pharos	Chemical and Materials Library	HAZ	ZARD SCREE	ENING DATE:	2019-04-08	
. Impurity/Residual	GS: LT-UNK	RC:	UNK	NANO: <b>NO</b>	ROLE: Imp	urity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNING	iS			
	No hazards found					
	is reported to 100 ppm. Residuals and Id limitatioins please visit the INVENT(				toxnet databa	ase. For more
-BUTENE						ID: <b>107-01</b>
AZARD SCREENING METHOD: Pharos	Chemical and Materials Library	HAZARD SCREE	NING DATE:	2019-04	-08	
. Impurity/Residual	GS: LT-UNK	RC: UNK	nano: <b>N</b>	I <b>O</b> R	OLE: Impurity/	Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNING	S			
		H000	Extremely	flammable	e gas	
SUBSTANCE NOTES: This inventory information and the process an	EU - GHS (H-Statements) is reported to 100 ppm. Residuals and ad limitatioins please visit the INVENTO	impurities were s	NING NOT	ES.		
SUBSTANCE NOTES: This inventory information and the process an	is reported to 100 ppm. Residuals and	impurities were s	NING NOT	ES.		ase. For more
SUBSTANCE NOTES: This inventory information and the process an CETYLENE	is reported to 100 ppm. Residuals and d limitatioins please visit the INVENT	impurities were s	NING NOT	2019-04		ID: <b>74-8</b>
SUBSTANCE NOTES: This inventory information and the process an CETYLENE AZARD SCREENING METHOD: Pharos	is reported to 100 ppm. Residuals and Id limitatioins please visit the INVENT Chemical and Materials Library	impurities were s RY AND SCREEN HAZARD SCREE	NING DATE: NANO: N	2019-04	-08	ID: <b>74-8</b> 1
SUBSTANCE NOTES: This inventory information and the process an CETYLENE AZARD SCREENING METHOD: Pharos Impurity/Residual	is reported to 100 ppm. Residuals and ad limitatioins please visit the INVENTO Chemical and Materials Library	Impurities were s IRY AND SCREEN HAZARD SCREE RC: UNK WARNING	NING DATE: NANO: N	2019-04- lo R	-08 OLE: Impurity/	ID: <b>74-8</b> 1
CETYLENE AZARD SCREENING METHOD: Pharos ( Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE) SUBSTANCE NOTES: This inventory	is reported to 100 ppm. Residuals and id limitations please visit the INVENTO Chemical and Materials Library GS: LT-UNK	impurities were s IRY AND SCREEN HAZARD SCREE RC: UNK WARNING H220 - impurities were s	NING DATE: NANO: N S Extremely Screened	2019-04- lo R flammable using the	-08 ole: Impurity/ e gas	ID: 74-8
SUBSTANCE NOTES: This inventory information and the process an CETYLENE AZARD SCREENING METHOD: Pharos Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE) SUBSTANCE NOTES: This inventory	is reported to 100 ppm. Residuals and id limitations please visit the INVENTO Chemical and Materials Library GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) is reported to 100 ppm. Residuals and	impurities were s IRY AND SCREEN HAZARD SCREE RC: UNK WARNING H220 - impurities were s	NING DATE: NANO: N S Extremely Screened	2019-04- lo R flammable using the	-08 ole: Impurity/ e gas	ID: 74-80 Residual
SUBSTANCE NOTES: This inventory information and the process an <b>CETYLENE</b> AZARD SCREENING METHOD: <b>Pharos</b> Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE) SUBSTANCE NOTES: This inventory information and the process an UTENE	is reported to 100 ppm. Residuals and id limitations please visit the INVENTO Chemical and Materials Library GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) is reported to 100 ppm. Residuals and	impurities were s IRY AND SCREEN HAZARD SCREE RC: UNK WARNING H220 - impurities were s	NING DATE: NANO: N S Extremely Screened	2019-04- lo R flammable using the ES.	-08 ole: Impurity/ e gas toxnet databa	ID: 74-8
SUBSTANCE NOTES: This inventory information and the process an <b>CETYLENE</b> IZARD SCREENING METHOD: <b>Pharos</b> Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE) SUBSTANCE NOTES: This inventory information and the process an UTENE	is reported to 100 ppm. Residuals and id limitatioins please visit the INVENTO Chemical and Materials Library GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) is reported to 100 ppm. Residuals and id limitatioins please visit the INVENTO	impurities were s IRY AND SCREEN HAZARD SCREE RC: UNK WARNING H220 -	NING DATE: NANO: N S Extremely Screened	2019-04- lo R flammable using the FS. 2019-04-	-08 ole: Impurity/ e gas toxnet databa	ID: 74-8 Residual ase. For more
SUBSTANCE NOTES: This inventory information and the process an CETYLENE  XZARD SCREENING METHOD: Pharos Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE)  SUBSTANCE NOTES: This inventory information and the process an UTENE XZARD SCREENING METHOD: Pharos I	is reported to 100 ppm. Residuals and id limitations please visit the INVENTO Chemical and Materials Library GS: LT-UNK AGENCY AND LIST TITLES EU - GHS (H-Statements) is reported to 100 ppm. Residuals and id limitations please visit the INVENTO Chemical and Materials Library	Impurities were s IRY AND SCREEN HAZARD SCREE RC: UNK WARNING H220 - Impurities were s DRY AND SCREEN HAZARD SCREE	NING DATE: NANO: N SCREENER NING DATE: NANO: N	2019-04- lo R flammable using the FS. 2019-04-	-08 ole: Impurity/ e gas toxnet databa	ID: 74-8 Residual ase. For more

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AZARD SCREENING METHOD: Pharos	Chemical and Materials Library	HAZARD SCREENING DATE: 2019-04-08
impurity/Residual	GS: <b>LT-1</b>	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
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Banned unless Authorised
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based of animal evidence
CANCER	Japan - GHS	Carcinogenicity - Category 1B
CANCER	Malaysia - GHS	H350 - May cause cancer
CANCER	Australia - GHS	H350 - May cause cancer
SUBSTANCE NOTES: This inventory		

# HYDROCHLORIC ACID HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-04-08

%: Impurity/Residual

GS: BM-2

RC: UNK NANO: NO

ROLE: Impurity/Residual

ID: 7647-01-0

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HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2019-04-08         %:       Impurity/Residual       GS: LT-P1       RC: UNK       NANO: No       ROLE:       Impurity/Residual         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       E         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor       E         SUBSTANCE NOTES:       This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For morinformation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       Intel Process Chemical and Materials Library       HAZARD SCREENING DATE:       2019-04-08         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING INC       ROLE:       Impurity/Residual         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2019-04-08         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING INC       ROLE:       Impurity/Residual         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING INC       ROLE:       Impurity/Residual         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING INC       ROLE:       Impurity/Residual         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING INC						
SKIN IRRITATION       EU - GHS (H-Statements)       H314 - Causes severe skin burns and eye damage         MAMMALIAN       EU - GHS (H-Statements)       H331 - Toxic if inhaled         MAMMALIAN       US EPA - EPCRA Extremely Hazardous       Extremely Hazardous Substances         substances       Substances       Extremely Hazardous         substances       Substances       Extremely Hazardous Substances         substances       Substances       Extremely Hazardous Substances         substances       Information and the process and limitations please visit the INVENTORY AND SCREENING ANCES.         INCAME SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2019-04-08         %: Impurity/Residual       cs: LT-P1       Ro: UNK       NANO: No       ROE Impurity/Residual         MOZARD DYNE       TEDX - Potential Endocrine Diaruptors       Potential Endocrine Diaruptor       ENDOCRINE         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For mo       information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       to: 116         MAZARD DYNE       MADIC: Pharos Chemical and Materials Library       MAZARD SCREENING NOTES.         PROPYLENE       to: 116       MAZARD SCREENING NOTES.       116         MAZARD DY	HAZARD TYPE	AGENCY AND LIST TITLES	WARNING	GS		
MAMMALIAN       EU - GHS (H-Statements)       H331 - Toxic if inhaled         MAMMALIAN       US EPA - EPCRA Extremely Hazardous       Extremely Hazardous Substances         Substances       Substances       Extremely Hazardous         BuestANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For monitormation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         IRON       to 7435         MAZARO SCREENING METHOD:       Pharos Chemical and Materials Library         HAZARO SCREENING METHOD:       Pharos UIST ITILS         WARRACE       TEDX - Potential Endocrine Disruptors         Potential Endocrine Disruptor       Potential Endocrine Disruptor         Substances Notes: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For monitormation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       to 115         NAZARO SCREENING METHOD:       Pharos Chemical and Materials Library         NAZARO SCREENING METHOD:       Pharos Chemical and Materials Library         NAZARO SCREENING METHOD:       Ph	RESPIRATORY	AOEC - Asthmagens	Asthm	agen (Rr) - irrita	nt-induced	
MAMMALIAN       US EPA - EPCRA Extremely Hazardous       Extremely Hazardous Substances         Substances       Substances       Extremely Hazardous Substances         substances       Substances       Extremely Hazardous Substances         substances       Substances       Extremely Hazardous Substances         substances       Information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         IRON       Information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         IRON       Intervention         HAZARD SCREENING METHOD:       Phaces Chemical and Materials Library         HAZARD SCREENING METHOD:       Phaces Chemical and Materials Library         HAZARD SCREENING METHOD:       Phaces Chemical and Materials Library         HAZARD TYPE       AGENCY AND LIST TITLES         BUBSTANCE NOTES:       THEDX - Potential Endocrine Disruptors         Substances NOTES:       This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moinformation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       to: 116         MAZARD SCREENING METHOD:       Phaces Chemical and Materials Library         MAZARD SCREENING METHOD:       Phaces Chemical and Materials Library         MAZARD SCREENING METHOD:       Phace Chemical and Materials Libr	SKIN IRRITATION	EU - GHS (H-Statements)	H314 -	Causes severe	skin burns and eye dan	nage
Substances	MAMMALIAN	EU - GHS (H-Statements)	H331 -	Toxic if inhaled	1	
Information and the process and limitations please visit the INVENTORY AND SCREENING NOTES. IRON INCARD SCREENING METHOD: Pharos Chemical and Materials Library ACARD SCREENING DATE: 2019-04-08 Sc Impurity/Residual GS: LT-P1 RC: UNK NANO: No ROLE: Impurity/Residual READOCRINE TEDX - Potential Endocrine Disruptors PROPYLENE RC: UNK NANO: NO ROLE: Impurity/Residual GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual READOCRINE TEDX - Potential Endocrine Disruptors PROPYLENE READOCRINE TEDX - Potential Endocrine Disruptor RC: UNK NANO: NO ROLE: Impurity/Residual GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual READOCRINE TEDX - Potential Endocrine Disruptors PROPYLENE READOCRINE TEDX - Potential Endocrine Disruptors PropyLence READOCRINE TEDX - Potential Endocrine Disruptors PROPYLENE READOCRINE TEDX - Potential Endocrine Disruptors PROPYLENE READOCRINE TEDX - Potential Endocrine Disruptors PROPYLENE READOCRINE TEDX - Potential Endocrine Disruptor READOCRINE READOCRINE TEDX - Potential Endocrine Disruptor READOCRINE READOCRINE READOR PROPYLEN READOR PROPYLEN READOR PROPYLENE READOR	MAMMALIAN		Extrem	nely Hazardous	Substances	
HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2019-04-08         MAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES:       This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       Its INFORMATION INFORMATION INFORMATION Pharos Chemical and Materials Library       HAZARD SCREENING NOTES.         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING         MAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:         MAZARD TYPE       AGENCY AND LIST TITLES       WARNING         MAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         PHYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)       H220 - Extremely flammable gas         ENDOCRINE       TEDX - Potential Endocrine Disruptor       ENDOCRINE         SUBSTANCE NOTES:       This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.					g the toxnet database	. For more
Sec. Impurity/Residual       GS: LT-P1       RC: UNK       NANC: No       ROLE: Impurity/Residual         MAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moninformation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       DD CHEMICAL and Materials Library         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library         HAZARD TYPE       AGENCY AND LIST TITLES         WARNINGS       RC: UNK       NANC: No         RCHOCRINE       TEDX - Potential Endocrine Disruptors         PHYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)       H220 - Extremely flammable gas         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moninformation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.	IRON					ID: <b>7439-89-</b>
HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moninformation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       ID: 116         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE:       2019-04-08         %:       Impurity/Residual       Gs: BM-U       Rc: UNK       NANO: No       RoLE:       Impurity/Residual         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS       ENDOCRINE       EU - GHS (H-Statements)       H220 - Extremely flammable gas         PHYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)       H220 - Extremely flammable gas       ENDOCRINE         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moninformation and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.       SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moninformation and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.	HAZARD SCREENING METHOD: Pharos C	Chemical and Materials Library	HAZARD SCREE	NING DATE: 2019	9-04-08	
ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moinformation and the process and limitations please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       ID: 115         HAZARD SCREENING METHOD: Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2019-04-08         %: Impurity/Residual       GS: BM-U         HAZARD TYPE       AGENCY AND LIST TITLES         VARNINGS       EU - GHS (H-Statements)         HYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)         HUSCAL HAZARD TYPE       TEDX - Potential Endocrine Disruptors         Potential Endocrine Disruptor       Potential Endocrine Disruptor	%: Impurity/Residual	GS: <b>LT-P1</b>	RC: UNK	NANO: <b>NO</b>	ROLE: Impurity/Res	sidual
SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moinformation and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.         PROPYLENE       ID: 115         HAZARD SCREENING METHOD:       Pharos Chemical and Materials Library       HAZARD SCREENING DATE: 2019-04-08         %:       Impurity/Residual       GS: BM-U       RC: UNK       NANO: No       ROLE: Impurity/Residual         HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         PHYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)       H220 - Extremely flammable gas         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For moinformation and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.		AGENCY AND LIST TITLES	WARNING	GS		
Information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.  PROPYLENE HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-04-08 GS: BM-U GS: BM-U RC: UNK NANO: NO ROLE: Impurity/Residual HAZARD TYPE AGENCY AND LIST TITLES WARNINGS PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H220 - Extremely flammable gas ENDOCRINE TEDX - Potential Endocrine Disruptor SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For mo information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.	HAZARD TYPE					
%: Impurity/Residual GS: BM-U RC: UNK NANO: No ROLE: Impurity/Residual	ENDOCRINE SUBSTANCE NOTES: This inventory is	s reported to 100 ppm. Residuals and in	npurities were	screened using		. For more
HAZARD TYPE       AGENCY AND LIST TITLES       WARNINGS         PHYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)       H220 - Extremely flammable gas         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and	s reported to 100 ppm. Residuals and in d limitatioins please visit the INVENTOR	npurities were Y AND SCREE	screened usin NING NOTES.	g the toxnet database	. For more ID: <b>115-07-</b>
PHYSICAL HAZARD (REACTIVE)       EU - GHS (H-Statements)       H220 - Extremely flammable gas         ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C	s reported to 100 ppm. Residuals and in d limitatioins please visit the INVENTOR Chemical and Materials Library	NPURITIES WERE T Y AND SCREET	SCREENED USING NING NOTES. NING DATE: 2019	g the toxnet database	ID: <b>115-07-</b>
ENDOCRINE       TEDX - Potential Endocrine Disruptors       Potential Endocrine Disruptor         SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C	s reported to 100 ppm. Residuals and in d limitatioins please visit the INVENTOR Chemical and Materials Library	NPURITIES WERE T Y AND SCREET	SCREENED USING NING NOTES. NING DATE: 2019	g the toxnet database	ID: <b>115-07-</b>
SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For mo information and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C %: Impurity/Residual	s reported to 100 ppm. Residuals and in d limitatioins please visit the INVENTOR Chemical and Materials Library GS: <b>BM-U</b>	NPURITIES WERE Y AND SCREE HAZARD SCREE RC: UNK	SCREENED USIN NING NOTES. NING DATE: 2019 NANO: NO	g the toxnet database	ID: <b>115-07-</b>
information and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C %: Impurity/Residual HAZARD TYPE	s reported to 100 ppm. Residuals and in d limitations please visit the INVENTOR Chemical and Materials Library GS: BM-U	NPURITIES WERE Y AND SCREED HAZARD SCREE RC: UNK WARNING	SCREENED USING NING NOTES. NING DATE: 2019 NANO: NO	g the toxnet database 9-04-08 ROLE: Impurity/Res	ID: <b>115-07-</b>
SODIUM HYDROXIDE ID: 1310	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C %: Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE)	s reported to 100 ppm. Residuals and in d limitations please visit the INVENTOR Chemical and Materials Library GS: BM-U AGENCY AND LIST TITLES EU - GHS (H-Statements)	NPURITIES WERE T Y AND SCREET HAZARD SCREET RC: UNK WARNING H220 -	SCREENED USING NING NOTES. NING DATE: 2019 NANO: NO 35 Extremely flam	g the toxnet database 9-04-08 ROLE: Impurity/Res mable gas	ID: <b>115-07-</b>
	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C M: Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE) ENDOCRINE SUBSTANCE NOTES: This inventory is	s reported to 100 ppm. Residuals and in d limitations please visit the INVENTOR Chemical and Materials Library GS: BM-U AGENCY AND LIST TITLES EU - GHS (H-Statements) TEDX - Potential Endocrine Disruptors s reported to 100 ppm. Residuals and in	NPURITIES WERE I Y AND SCREE HAZARD SCREE RC: UNK WARNING H220 - Potent	Screened using NING NOTES. NING DATE: 2019 NANO: NO SS Extremely flam ial Endocrine Di Screened using	g the toxnet database 0-04-08 ROLE: Impurity/Res mable gas	idual
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-04-08	ENDOCRINE  SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C %: Impurity/Residual HAZARD TYPE PHYSICAL HAZARD (REACTIVE) ENDOCRINE  SUBSTANCE NOTES: This inventory is information and the process and	s reported to 100 ppm. Residuals and in d limitations please visit the INVENTOR Chemical and Materials Library GS: BM-U AGENCY AND LIST TITLES EU - GHS (H-Statements) TEDX - Potential Endocrine Disruptors s reported to 100 ppm. Residuals and in	NPURITIES WERE I Y AND SCREE HAZARD SCREE RC: UNK WARNING H220 - Potent	Screened using NING NOTES. NING DATE: 2019 NANO: NO SS Extremely flam ial Endocrine Di Screened using	g the toxnet database 0-04-08 ROLE: Impurity/Res mable gas	idual
%: Impurity/Residual GS: LT-P1 RC: UNK NANO: No ROLE: Impurity/Residual	ENDOCRINE SUBSTANCE NOTES: This inventory is information and the process and PROPYLENE HAZARD SCREENING METHOD: Pharos C SUBSTANCE NOTES: This inventory is information and the process and SODIUM HYDROXIDE	s reported to 100 ppm. Residuals and in d limitatioins please visit the INVENTOR Chemical and Materials Library GS: BM-U AGENCY AND LIST TITLES EU - GHS (H-Statements) TEDX - Potential Endocrine Disruptors s reported to 100 ppm. Residuals and in d limitatioins please visit the INVENTOR	npurities were : Y AND SCREE HAZARD SCREE RC: UNK WARNING H220 - Potent npurities were : Y AND SCREE	screened using NING NOTES. NING DATE: 2019 NANO: NO as Extremely flam ial Endocrine Di screened using NING NOTES.	g the toxnet database	ID: 115-07-

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	HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
	SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin	burns and eye damage
	PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H290 - May be corrosive to	ometals
			s and impurities were screened using the ENTORY AND SCREENING NOTES.	e toxnet database. For more
F	POLYETHYLENE TEPHTHALA	те	%: 10.0000 - 30.0000	
Р	RODUCT THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED:	Yes
t			00 ppm. Residuals and impurities nd limitatioins please visit the INVE	
С	THER MATERIAL NOTES:			
	POLYETHYLENE TEREPHTHALA	ТЕ		ID: <b>25038-59-9</b>
	HAZARD SCREENING METHOD: Pharos C	hemical and Materials Library	HAZARD SCREENING DATE: 2019-	04-08
	%: 10.0000 - 30.0000	GS: LT-UNK	RC: UNK NANO: NO	ROLE: Yarn Material
	HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
		No hazards found		
I				
	SUBSTANCE NOTES:			
	SUBSTANCE NOTES:			
F	SUBSTANCE NOTES:	%: 1	0.0000 - 20.0000	
_			0.0000 - 20.0000 UALS AND IMPURITIES CONSIDERED: Yes	
P R t	PLASTICIZER RODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES NOTES: Thi	RESIL		-
P R t	PLASTICIZER RODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES NOTES: Thi oxnet database. For more info	RESIL	UALS AND IMPURITIES CONSIDERED: Yes	-
P R t	PLASTICIZER RODUCT THRESHOLD: 100 ppm residuals and impurities notes: Thi oxnet database. For more info NOTES.	RESIL	UALS AND IMPURITIES CONSIDERED: Yes	-
P R t	PLASTICIZER RODUCT THRESHOLD: 100 ppm residuals and impurities notes: Thi oxnet database. For more info NOTES.	RESIL	UALS AND IMPURITIES CONSIDERED: Yes	-
P R t	PLASTICIZER RODUCT THRESHOLD: 100 ppm residuals and impurities notes: Thi oxnet database. For more info NOTES.	RESIL	UALS AND IMPURITIES CONSIDERED: Yes	-
P R t	PLASTICIZER RODUCT THRESHOLD: 100 ppm residuals and impurities notes: Thi oxnet database. For more info NOTES.	RESIL	UALS AND IMPURITIES CONSIDERED: Yes	-

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DI(2-ETHYLHEXYL) TEREPH	THALATE				ID: 6422-86-2
HAZARD SCREENING METHOD: Phar	os Chemical and Materials Libra	ry hazaf	D SCREENI	NG DATE: 2019-0	4-08
%: 10.0000 - 20.0000	GS: <b>BM-3</b>	rc: <b>U</b>	NK	NANO: <b>NO</b>	ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS		
	No hazards found				
SUBSTANCE NOTES:					
CALCIUM CARBONATE	%:	: 5.0000 - 20.0000			
PRODUCT THRESHOLD: 100 ppm	RES	SIDUALS AND IMPURITIE	S CONSIDE	ERED: Yes	
	This inventory is reported to information and the process			-	-
iberated, typically <100 un	the secondary crushing step n, without producing an exce which impurities are floated	ess of fines. The m		-	
CALCIUM CARBONATE					ID: <b>471-34-1</b>
HAZARD SCREENING METHOD: Phar	os Chemical and Materials Libra	ry HA	ZARD SCRE	EENING DATE: 201	9-04-08
%: 5.0000 - 20.0000	GS: <b>BM-3</b>	RC	UNK	NANO: NO	ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS		
	No hazards found				
	secondary crushing step should r an excess of fines. The material				
FITANIUM DIOXIDE	%:	: 1.0000 - 10.0000			
PRODUCT THRESHOLD: 100 ppm	RES	SIDUALS AND IMPURITIE	S CONSIDE	ERED: Yes	
	This inventory is reported to information and the process				
	ely pure titanium oxide hydra Impurities are largely remov				pitated by hydrolysis of

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HAZARD SCREENING METHOD: Ph	aros Chemical and Materials Library	HAZARD SCREEN	ING DATE: 2019	9-04-08
%: 1.0000 - 10.0000	GS: LT-1	RC: UNK	NANO: <b>NO</b>	ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	US CDC - Occupational Carcinogens	Occupationa	al Carcinogen	
CANCER	CA EPA - Prop 65	Carcinogen	- specific to ch	emical form or exposure route
CANCER	IARC	Group 2B - F occupationa	-	ogenic to humans - inhaled fro
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential En	docrine Disrup	tor
CANCER	МАК			dence of carcinogenic effects sh MAK/BAT value
CANCER	МАК		Group 4 - Non AK/BAT levels	genotoxic carcinogen with lov
INC STEARATE	%: 0.5000 -	- 5.0000		
		D IMPURITIES CONSIDE	impurities	-
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND AND IMPURITIES NOTE OTES.	m RESIDUALS ANI s: This inventory is reported to 100 ppr	D IMPURITIES CONSIDE	impurities	-
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND AND IMPURITIES NOTE OTES.	m RESIDUALS ANI s: This inventory is reported to 100 ppr e information and the process and limi	D IMPURITIES CONSIDE	impurities	-
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE OTES. THER MATERIAL NOTES: OCTADECANOIC ACID, ZIM	m RESIDUALS ANI s: This inventory is reported to 100 ppr e information and the process and limi	D IMPURITIES CONSIDE	impurities sit the INVE	ID: 557-(
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE OTES. THER MATERIAL NOTES: OCTADECANOIC ACID, ZIM	m RESIDUALS ANI s: This inventory is reported to 100 ppr e information and the process and limi	D IMPURITIES CONSIDE m. Residuals and tatioins please vi HAZARD SCREENING	impurities sit the INVE	ID: 557-(
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE OTES. THER MATERIAL NOTES: OCTADECANOIC ACID, ZIN HAZARD SCREENING METHOD: Ph	m RESIDUALS AND SE: This inventory is reported to 100 ppr e information and the process and limit IC SALT aros Chemical and Materials Library	D IMPURITIES CONSIDE m. Residuals and tatioins please vi HAZARD SCREENING	impurities sit the INVE	ID: 557-(
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE OXTADE AND IMPURITIES NOTES: OCTADECANOIC ACID, ZIN HAZARD SCREENING METHOD: Phr %: 0.5000 - 5.0000	m RESIDUALS AND s: This inventory is reported to 100 ppr e information and the process and limit NC SALT aros Chemical and Materials Library GS: LT-UNK	D IMPURITIES CONSIDE m. Residuals and tatioins please vi HAZARD SCREENING RC: UNK	impurities sit the INVE	ID: 557-(
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE OXTADE AND IMPURITIES NOTES: OCTADECANOIC ACID, ZIN HAZARD SCREENING METHOD: Phr %: 0.5000 - 5.0000	m RESIDUALS AN SE: This inventory is reported to 100 ppr te information and the process and limit AC SALT aros Chemical and Materials Library GS: LT-UNK AGENCY AND LIST TITLES	D IMPURITIES CONSIDE m. Residuals and tatioins please vi HAZARD SCREENING RC: UNK	impurities sit the INVE	ID: 557-(
RODUCT THRESHOLD: 100 ppr ESIDUALS AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE EXAMPLE AND IMPURITIES NOTE OCTADECANOIC ACID, ZIN HAZARD SCREENING METHOD: Ph %: 0.5000 - 5.0000 HAZARD TYPE	m RESIDUALS AN SE: This inventory is reported to 100 ppr te information and the process and limit AC SALT aros Chemical and Materials Library GS: LT-UNK AGENCY AND LIST TITLES	D IMPURITIES CONSIDE m. Residuals and tatioins please vi HAZARD SCREENING RC: UNK M WARNINGS	impurities sit the INVE	ID: 557-(





RESIDUALS AND IMPURITIES NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.

OTHER MATERIAL NOTES: Trace impurities such as arsenic, copper, iron, lead, and nickel.

AZARD SCREENING METHOD: Pha	aros Chemical and Materials Library	HAZARD SCREENING D	ATE: 2019-0	04-08	
. 0.5000 - 5.0000	GS: <b>BM-1</b>	RC: UNK NAN	10: <b>No</b>	ROLE: Flame Retarc	lant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS			
CANCER	IARC	Group 2b - Po	ossibly carc	inogenic to humans	
CANCER	CA EPA - Prop 65	Carcinogen			
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic 1	to aquatic li	fe with long lasting effe	ects
CANCER	EU - GHS (H-Statements)	H351 - Suspe	cted of cau	sing cancer	
MULTIPLE	ChemSec - SIN List	CMR - Carcin	ogen, Muta	gen &/or Reproductive	Toxicant
CANCER	МАК	Carcinogen G man	iroup 2 - Co	onsidered to be carcino	genic for
CANCER	Japan - GHS	Carcinogenici	ity - Catego	ry 1B	
RSENIC, INORGANIC	urities such as arsenic, copper, iron, lead, aros Chemical and Materials Library	AND NICKEL.	TE: <b>2019-0</b> 4		d: <b>7440-3</b>
RSENIC, INORGANIC					
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	lual
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	
RSENIC, INORGANIC	aros Chemical and Materials Library	HAZARD SCREENING DA		4-08	

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DEVELOPMENTAL CANCER CANCER	G&L - Neurotoxic Chemicals US EPA - IRIS Carcinogens	Developmental Neurotoxicant
	US EPA - IRIS Carcinogens	
CANCER		(1986) Group A - Human Carcinogen
	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
PBT	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
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
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	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
GENE MUTATION	МАК	Germ Cell Mutagen 3a
CANCER	Australia - GHS	H350 - May cause cancer
	reported to 100 ppm. Residuals and impuriti limitatioins please visit the INVENTORY AND	es were screened using the toxnet database. For more SCREENING NOTES.
HAZARD SCREENING METHOD: Pharos C	hemical and Materials Library HAZ	ARD SCREENING DATE: 2019-04-08
%: Impurity/Residual	GS: LT-UNK RC:	UNK NANO: NO ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	
	reported to 100 ppm. Residuals and impuriti limitatioins please visit the INVENTORY AND	es were screened using the toxnet database. For more SCREENING NOTES.

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	Pharos Chemical and Materials Library		EENING DATE: 2019	2-04-08
%: Impurity/Residual	GS: <b>LT-P1</b>	RC: UNK	NANO: <b>NO</b>	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Poter	ntial Endocrine D	isruptor
	ventory is reported to 100 ppm. Residuals and i ocess and limitatioins please visit the INVENTOR			g the toxnet database. For more
LEAD				ID: <b>7439-92</b>
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2019	9-04-08
%: Impurity/Residual	GS: <b>LT-1</b>	RC: UNK	NANO: <b>NO</b>	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNI	NGS	
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Deve	lopmental Neuro	toxicant
CANCER	US EPA - IRIS Carcinogens	(1986	6) Group B2 - Pro	bable human Carcinogen
CANCER	IARC	Grou	p 2a - Agent is pr	robably Carcinogenic to humans
CANCER	IARC	Grou	p 2b - Possibly c	arcinogenic to humans
CANCER	CA EPA - Prop 65	Carci	inogen	
DEVELOPMENTAL	CA EPA - Prop 65	Deve	lopmental toxicit	у
PBT	US EPA - Priority PBTs (NWMP)	Prior	ity PBT	
PBT	WA DoE - PBT	PBT		
REPRODUCTIVE	CA EPA - Prop 65	Repr	oductive Toxicity	- Female
REPRODUCTIVE	CA EPA - Prop 65	Repr	oductive Toxicity	- Male
CANCER	US NIH - Report on Carcinogens	Reas	onably Anticipate	ed to be Human Carcinogen
PBT	US EPA - Toxics Release Inventory PBT	s PBT		
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic	to reproduction	- Candidate list
РВТ	OSPAR - Priority PBTs & EDs & equivale concern	ent PBT	- Chemical for Pr	iority Action
PBT	OR DEQ - Priority Persistent Pollutants	Prior	ity Persistent Poll	lutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmenta Monographs	l Clear	FEvidence of Adv	verse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmenta Monographs	I Clear	r Evidence of Adv	verse Effects - Reproductive Toxicity
REPRODUCTIVE	EU - GHS (H-Statements)	H360 child		e fertility. May damage the unborn

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ChemSec - SIN List TEDX - Potential Endocrine Disruptors MAK Korea - GHS Korea - GHS New Zealand - GHS Japan - GHS MAK EU - Annex VI CMRs Australia - GHS reported to 100 ppm. Residuals and im limitatioins please visit the INVENTORY	CMR - Carcinogen, Mutagen &/or Potential Endocrine Disruptor Carcinogen Group 2 - Considered man Carcinogenicity - Category 1 [H35 Reproductive toxicity - Category fertility or the unborn child] 6.8A - Known or presumed human developmental toxicants Toxic to reproduction - Category Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborn damaging fertility	I to be carcinogenic for i0 - May cause cancer] I [H360 - May damage In reproductive or IA
MAK Korea - GHS Korea - GHS New Zealand - GHS Japan - GHS MAK EU - Annex VI CMRs Australia - GHS reported to 100 ppm. Residuals and im	Carcinogen Group 2 - Considered man Carcinogenicity - Category 1 [H35 Reproductive toxicity - Category fertility or the unborn child] 6.8A - Known or presumed human developmental toxicants Toxic to reproduction - Category Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborn damaging fertility	i0 - May cause cancer] 1 [H360 - May damage n reproductive or 1A
Korea - GHS Korea - GHS New Zealand - GHS Japan - GHS MAK EU - Annex VI CMRs Australia - GHS	man Carcinogenicity - Category 1 [H35 Reproductive toxicity - Category fertility or the unborn child] 6.8A - Known or presumed human developmental toxicants Toxic to reproduction - Category Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborn damaging fertility	i0 - May cause cancer] 1 [H360 - May damage n reproductive or 1A
Korea - GHS New Zealand - GHS Japan - GHS MAK EU - Annex VI CMRs Australia - GHS	Reproductive toxicity - Category fertility or the unborn child] 6.8A - Known or presumed human developmental toxicants Toxic to reproduction - Category Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborn damaging fertility	1 [H360 - May damage n reproductive or 1A 1A
New Zealand - GHS Japan - GHS MAK EU - Annex VI CMRs Australia - GHS	fertility or the unborn child] 6.8A - Known or presumed human developmental toxicants Toxic to reproduction - Category Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborn damaging fertility	n reproductive or
Japan - GHS MAK EU - Annex VI CMRs Australia - GHS	developmental toxicants Toxic to reproduction - Category Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborr damaging fertility	1A
MAK EU - Annex VI CMRs Australia - GHS	Germ Cell Mutagen 3a Reproductive Toxicity - Category H360Df - May damage the unborr damaging fertility	1A
EU - Annex VI CMRs Australia - GHS reported to 100 ppm. Residuals and im	Reproductive Toxicity - Category H360Df - May damage the unborr damaging fertility	
Australia - GHS reported to 100 ppm. Residuals and im	H360Df - May damage the unborr damaging fertility	
reported to 100 ppm. Residuals and im	damaging fertility	child. Suspected of

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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly 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	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	МАК	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	МАК	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.

#### **ZINC PYRITHIONE**

%: 0.1000 - 1.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitatioins please visit the INVENTORY AND SCREENING NOTES.

OTHER MATERIAL NOTES:

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HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2019-04-08		
0.1000 - 1.0000	GS: BM-1tp	RC: UNK	NANO: <b>NO</b>	ROLE: Antibacterial Additive	
HAZARD TYPE	AGENCY AND LIST TITLES	WARM	lings		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters			

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#### Section 3: Certifications and Compliance

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	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario				
CERTIFYING PARTY: Self-declared Applicable facilities: All facilities included.	ISSUE DATE: 2019- 04-08	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley Analytical		
CERTIFICATE URL:					

CERTIFICATION AND COMPLIANCE NOTES: The CDPH v1.2 was conducted on this fabric. the test result recorded less than .5 mg/m3 of TVOC after 14 days. This is considered a low VOC material.

#### 😑 Section 4: Accessories

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.

No accessories are required for this product.

#### Section 5: General Notes

This inventory is reported to 100 ppm. Residuals and impurities were screened using the toxnet database. For more information and the process and limitations please visit the INVENTORY AND SCREENING NOTES.



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#### Section 6: References

#### MANUFACTURER INFORMATION

MANUFACTURER: Rollease Acmeda Address: 200 Harvard Ave. Stamford CT 06902, USA WEBSITE: http://www.rolleaseacmeda.com/us/home CONTACT NAME: Patrick O'Connell TITLE: VP of Global Quality & Continuous Improvement PHONE: 203-964-1573 ext. 159 EMAIL: patrick.oconnell@rolleaseacmeda.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)

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)

### Unk Inclusion of recycled content is unknown None Does not include recycled content

**Recycled Types** 

PostC Postconsumer

PreC Preconsumer (Post-Industrial)

Both Both Preconsumer and Postconsumer

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.

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