

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/06/2016

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: CPESD-XXX
Product code	: CPESD-XXX
Other means of identification	: CPESD-XXX/5, CPESD-XXX/Q, CPESD-XXX/P, CPESD-XXX/HP
1.2. Relevant identified uses of the sub	ostance or mixture and uses advised against
No additional information available	
1.3. Details of the supplier of the safety	y data sheet
Protective Industrial Polymers 7875 Bliss Parkway North Ridgeville, Ohio 44039 - USA-Ohio T 440-327-0015 www.protectpoly.com	
1.4. Emergency telephone number	
Emergency number	: Chemtrec: 800427-9300 (Outside USA) 703-527-3887
SECTION 2: Hazard(s) identification	n
2.1. Classification of the substance or	mixture
GHS-US classification	
Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Specific target organ toxicity — Repeated expo Category 2	osure, H373
Full text of H statements : see section 16	
2.2. Label elements	
GHS-US labelling	
Hazard pictograms (GHS-US)	$\wedge \wedge \wedge$
	GHS02 GHS07 GHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	 H226 - Flammable liquid and vapour H315 - Causes skin irritation H340 - May cause genetic defects H350 - May cause cancer H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements (GHS-US)	 P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from open flames No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe vapours P264 - Wash hands, forearms and face thoroughly after handling P280 - Wear protective clothing P302+P352 - If on skin: Wash with plenty of soap P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P308+P313 - If exposed or concerned: Get medical advice/attention
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	P321 P332- P362- P370- P403- P403-	 Get medical advice/attention if you feel Specific treatment (see Call a doctor if P313 - If skin irritation occurs: Get medi P364 - Take off contaminated clothing a P378 - In case of fire: Use foam to extin P235 - Store in a well-ventilated place. Store locked up Dispose of contents/container to in accuration 	symptoms pe ical advice/at and wash it b nguish Keep cool	tention efore reuse
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	n on ing	gredients		
3.1. Substance				
Not applicable				
3.2. Mixture				
Name		Product identifier	%	GHS-US classification
Titanium Dioxide		(CAS No) 13463-67-7	45 - 65	Carc. 2, H351
1-methoxy-2-propyl acetate		(CAS No) 108-65-6	15 - 25	Flam. Liq. 3, H226
Toluene		(CAS No) 108-88-3	0-5	Flam. Liq. 2, H225
Carbon black Full text of H-statements: see section 16		(CAS No) 1333-86-4	0 - 2	Carc. 2, H351
irst-aid measures after inhalation irst-aid measures after skin contact	: Rinse	ve person to fresh air and keep comforta skin with water/shower. Remove/Take c	off immediatel	•
First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and effec Symptoms/injuries after skin contact 4.3. Indication of any immediate medical	: Rinse : Call a t s, both a : Irritatio	on.		
 First-aid measures after ingestion Nost important symptoms and effec Symptoms/injuries after skin contact Indication of any immediate medical Treat symptomatically. 	: Rinse : Call a t s, both a : Irritatio	eyes with water as a precaution. poison center or a doctor if you feel unw acute and delayed on.		
First-aid measures after ingestion 4.2. Most important symptoms and effect Symptoms/injuries after skin contact 4.3. Indication of any immediate medical Treat symptomatically. SECTION 5: Firefighting measures	: Rinse : Call a t s, both a : Irritatio	eyes with water as a precaution. poison center or a doctor if you feel unw acute and delayed on.		
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First-aid measures after ingestion Image: Symptoms/injuries after skin contact Image: Symptomatically. SECTION 5: Firefighting measures Image: Symptomatically. SECTION 5: Firefighting measures Image: Symptomatically. SECTION 5: Firefighting measures Image: Symptomatically. Sector 5: Symptomatically.	: Rinse : Call a : ts, both a : Irritation attention : Water ostance o : Highly	eyes with water as a precaution. poison center or a doctor if you feel unw acute and delayed on. a and special treatment needed spray. Dry powder. Foam. Carbon dioxi or mixture flammable liquid and vapour.	vell.	
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First-aid measures after ingestion 4.2. Most important symptoms and effect Symptoms/injuries after skin contact 4.3. Indication of any immediate medical Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the subscription Fire hazard Reactivity 5.3. Advice for firefighters Protection during firefighting	: Rinse : Call a : Irritation : Irritation : Water : Water : Highly : Highly : Do no appara	eyes with water as a precaution. poison center or a doctor if you feel unw acute and delayed on. and special treatment needed spray. Dry powder. Foam. Carbon dioxi or mixture of flammable liquid and vapour. flammable liquid and vapour. t attempt to take action without suitable atus. Complete protective clothing.	vell. de.	uipment. Self-contained breathing

6.1.2. For emergency responders

Emergency procedures

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6.2.	Environmental precautions	
Avoid re	lease to the environment. Notify authoritie	s if product enters sewers or public waters.
6.3.	Methods and material for containmen	t and cleaning up
Methods	for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other inf	ormation	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furth	er information refer to section 13.	
SECTI	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precauti	J	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe vapours. Avoid contact with skin and eyes.
Hygiene	measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, including	any incompatibilities
Technica	al measures	: Ground/bond container and receiving equipment.

Storage conditions

: Ground/bond container and receiving equipment.

: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

1-methoxy-2-prop	yl acetate (108-65-6)	
Not applicable		
Toluene (108-88-3)		
ACGIH	ACGIH TWA (ppm)	20 ppm (Toluene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Visual impair; female repro;
OSHA	Remark (OSHA)	(2) See Table Z-2.
Titanium Dioxide ((13463-67-7)	
ACGIH	ACGIH TWA (mg/m³)	10 mg/m ³ (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	LRT irr; A3
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m³
Carbon black (133	3-86-4)	
ACGIH	ACGIH TWA (mg/m³)	3 mg/m ³ (Carbon black; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
ACGIH	Remark (ACGIH)	Bronchitis
OSHA	OSHA PEL (TWA) (mg/m ³)	3.5 mg/m ³

8.2. Exposure controls		
Appropriate engineering controls	: Ensure good ventilation of the work station.	
Hand protection	: Protective gloves.	
Eye protection	: Safety glasses.	
Skin and body protection	: Wear suitable protective clothing.	
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Respiratory protection Environmental exposure controls Wear respiratory protection.Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	
Physical state	: Liquid
Colour	: Colored
Odour	: Slight solvent smell
Odour threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 79 °F
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: Water: Solubility in water of component(s) of the mixture : • 1-methoxy-2-propyl acetate: 19.8 g/100ml (20 °C, soluble) • Toluene: 0.05 g/100ml • Aluminium Hydroxide: < 0.01 g/100ml • Amorphous Silica: 0.15 g/100ml • Titanium Dioxide: 0.15 g/100ml • Carbon black: < 0.01 g/100ml
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
No additional information available	

SECTION 10: Stability and reactivity
10.1. Reactivity
Highly flammable liquid and vapour.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SECTION 11: Toxicological information
11.1. Information on toxicological effects

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1-methoxy-2-propyl acetate (108-65-6)	
LD50 oral rat	6190 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Experimental value; Equivalent or similar to OECD 402)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
ATE US (oral)	6190.000 mg/kg bodyweight
Toluene (108-88-3)	· ·
LD50 oral rat	> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat; Literature study)
ATE US (dermal)	12223.000 mg/kg bodyweight
Titanium Dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)
Carbon black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Toluene (108-88-3)	
IARC group	3 - Not classifiable
Titanium Dioxide (13463-67-7)	·
IARC group	2B - Possibly carcinogenic to humans
Carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated xposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Symptoms/injuries after skin contact	: Irritation.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
1-methoxy-2-propyl acetate (108-65-6)	
ECE0 Dephoie 1	280 mg/l (EC50: Equivalent or similar to OECD 202: 48 b: Daphaia magna: Static system:

EC50 Daphnia 1	380 mg/l (EC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	100 - 180 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Static system; Fresh water; Experimental value)
Threshold limit algae 1	>= 1000 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 96 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 1000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 96 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

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Titanium Dioxide (13463-67-7)		
EC50 Daphnia 1	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)	
Threshold limit algae 1	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)	
Carbon black (1333-86-4)		
LC50 fish 1	> 1000 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)	
EC50 Daphnia 1	> 5600 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 24 h; Daphnia magna; Static system; Fresh water)	
LC50 fish 2	1000 mg/l (LC0; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)	
Threshold limit algae 1	> 10000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)	

Persistence and degradability 12.2.

1-methoxy-2-propyl acetate (108-65-6)			
Persistence and degradability	Readily biodegradable in water. Readily biodegradable in the soil. Low potential for adsorption in soil.		
Toluene (108-88-3)			
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.		
Biochemical oxygen demand (BOD)	2.15 g O₂/g substance		
Chemical oxygen demand (COD)	2.52 g O₂/g substance		
ThOD	3.13 g O₂/g substance		
BOD (% of ThOD)	0.69		
Titanium Dioxide (13463-67-7)	Titanium Dioxide (13463-67-7)		
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.		
Biochemical oxygen demand (BOD)	Not applicable		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
Carbon black (1333-86-4)			
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.		
ThOD	Not applicable		

Bioaccumulative potential 12.3.

1-methoxy-2-propyl acetate (108-65-6)		
Log Pow	1.2 (Experimental value; Equivalent or similar to OECD 117; 20 °C; 0.36; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Toluene (108-88-3)		
BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)	
Log Pow	2.73 (Experimental value; Other; 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Titanium Dioxide (13463-67-7)		
Bioaccumulative potential	Not bioaccumulative.	
Carbon black (1333-86-4)		
Bioaccumulative potential	Not bioaccumulative.	

12.4. Mobility in soil

1-methoxy-2-propyl acetate (108-65-6)	
Surface tension 0.0294 N/m (20 °C; 100 vol %)	
Log Koc	log Koc,0.264; QSAR
Toluene (108-88-3)	
Surface tension	0.03 N/m (20 °C)

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Carbon black (1333-86-4)		
Ecology - soil	Not toxic to plants. Not toxic to animals.	
2.5. Other adverse effects		
ffect on the global warming	: No known ecological damage caused by this product.	
neer on the global warming	. No known ecological damage caused by this product.	
ECTION 13: Disposal consideration	S	
3.1. Waste treatment methods		
aste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
dditional information	: Flammable vapours may accumulate in the container.	
ECTION 14: Transport information		
epartment of Transportation (DOT)		
accordance with DOT		
ransport document description	: UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III	
N-No.(DOT)	: UN1263	
roper Shipping Name (DOT)	: Paint	
	including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	
lass (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120	
azard labels (DOT)	: 3 - Flammable liquid	
acking group (DOT)	3 : III - Minor Danger	
OT Packaging Non Bulk (49 CFR 173.xxx)	: 173	
OT Packaging Bulk (49 CFR 173.xxx)	: 242	
OT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672) T2 - 1.5 178.274(d)(2) Normal	
OT Packaging Exceptions (49 CFR 173.xxx)	: 150	
OT Quantity Limitations Passenger aircraft/rail 9 CFR 173.27)	: 60 L	
OT Quantity Limitations Cargo aircraft only (49 FR 175.75)	: 220 L	
OT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel	
mergency Response Guide (ERG) Number	: 128	

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TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information		
15.1. US Federal regulations		
CPESD-XXX		
Listed on the United States TSCA	Toxic Substances Control Act) inventory	
1-methoxy-2-propyl acetate (108-65-6)		
Listed on the United States TSCA	Foxic Substances Control Act) inventory	
Toluene (108-88-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	1000 lb	
Titanium Dioxide (13463-67-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Carbon black (1333-86-4)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		

15.2. International regulations

CANADA

No additional information available

EU-Regulations No additional information available

National regulations

Titanium Dioxide (13463-67-7)	
Listed on IARC (International Agency for Research on Cancer)	
Carbon black (1333-86-4)	

15.3. US State regulations

CPESD-XXX	
U.S California - Proposition 65 - Carcinogens List	Yes
U.S California - Proposition 65 - Developmental Toxicity	Yes
U.S California - Proposition 65 - Reproductive Toxicity - Female	Yes
U.S California - Proposition 65 - Reproductive Toxicity - Male	Yes

Toluene (108-88-3)

Toluelle (100-00-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	Yes	Yes	Yes	7000

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Titanium Dioxide (1346	3-67-7)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	
Carbon black (1333-86-	4)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	
Toluene (108-88-3)	t to Know Hazardous Substance L	iot		
U.S Pennsylvania - RT				
Titanium Dioxide (1346	3-67-7)			
U.S New Jersey - Right to Know Hazardous Substance List				

Carbon black (1333-86-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information

: Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

Full text of H-statements:

H225	Highly flammable liquid and vapour	
H226	Flammable liquid and vapour	
H315	Causes skin irritation	
H340	May cause genetic defects	
H350	May cause cancer	
H351	Suspected of causing cancer	
H373	May cause damage to organs through prolonged or repeated	
	exposure	
HMIS III Rating		

Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product