

Marlex® 1018 Polyethylene

Version 3.4

Revision Date 2025-07-02

SECTION 1: Identification of the substance/mixture and of the company/undertaking

	 Marlex® 1018 Polyethylene 1044098, 1042089, 1042088, 1042087, 1042086, 1044097, 1044090, 1044090, 1044090, 10440925, 1044097,
Company	1042090, 1044100, 1044099, 1040035, 1040036, 1044101 Chevron Phillips Chemical Company LP 9500 Lakeside Blvd. The Woodlands, TX 77381
Emergency telephone:	
Asia: CHEMWATCH Mexico CHEMTREC South America SOS- Argentina: +(54)-1159 EUROPE: BIG +32.14 Austria: VIZ +43 1 40 Belgium: 070 245 248 Bulgaria: +359 2 9154 Croatia: +3851 2348 Cyprus: 1401 Czech Republic: Toxi Denmark: Danish Poi Estonia: BIG +32.14.9 Finland: 0800 147 11 France: ORFILA num Germany: BIG +32.14 Greece: (0030) 21077 Hungary: +36-80-201	rnational) 4.9300 or 703.527.3887(int'l) (+612 9186 1132) China: 0532 8388 9090 01-800-681-9531 (24 hours) Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 9839431 4.584545 (phone) or +32.14583516 (telefax) 96 43 43 (24 hours/day, 7 days/week) 5 (24 hours/day, 7 days/week)

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Poisoning and Drug Inf 67042473. (24 hours.) Liechtenstein: BIG +32. Lithuania: +370 (85) 236 Luxembourg: (+352) 800 Malta: +356 2395 2000 The Netherlands: NVIC: Norway: 22 59 13 00 (2- Poland: BIG +32.14.584 Portugal: CIAV phone n Romania: +4021318360 Slovakia: +421 2 5477 4 Slovenia: Phone number	02 5500 (24 hours/day, 7 days/week) +31 (0)88 755 8000 4 hours/day, 7 days/week) 545 (phone) or +32.14583516 (telefax) umber: +351 800 250 250 6 16 166 17: 112 ncy Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24)
Responsible Department E-mail address Website	 Product Safety and Toxicology Group SDS@CPChem.com www.CPChem.com
	CAUTION: Do not use this material in medical applications involving the human body or permanent contact with internal body fluids or tissues
human body or contact with directly from Chevron Philli expressly acknowledges th	
express warranty or implied	Company LP and its legal affiliates makes no representation, promise, d warranty concerning the suitability of this material for use in implantation ntact with internal body fluids or tissues.
SECTION 2: Hazards identifica	ation
	stance or mixture sified in accordance with the hazard communication standard 29 CFR bels contain all the information as required by the standard.
Classification	: Combustible dust
Labeling	
Signal Word	: Warning
Hazard Statements	: May form combustible dust concentrations in air. While this product may not be a combustible dust as sold, further processing or handling may form combustible dust concentration in air.
Potential Health Effects	
Physical Hazards	: Pellets may cause a slip hazard on hard surfaces. Mechanical processing may form combustible dust concentrations in air and thermal processing at elevated

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Inhalation	respiratory irritation.	
Skin	significant irritation. Contact with the skin is no response. If this material is heated, th Thermal burns may includ	at expected to cause prolonged or at expected to cause an allergic hermal burns may result from contact. e pain or feeling of heat,
Eyes	action. Not expected to cause pro	nd blistering. v cause irritation due to the abrasive blonged or significant eye irritation. if heated material contacts eye.
Ingestion		not a likely route of exposure.
Carcinogenicity:		
IARC		ct present at levels greater than or as probable, possible or confirmed C.
NTP	equal to 0.1% is identified a	ct present at levels greater than or as a known or anticipated carcinogen
	by NTP.	
TION 3: Composition/infe		
	ormation on ingredients CAS-No.	Weight %
Component	ormation on ingredients	Weight % 100
Component Polyethylene	ormation on ingredients CAS-No. 9002-88-4	
Component Polyethylene TION 4: First aid measure	ormation on ingredients CAS-No. 9002-88-4 es : Move to fresh air in case	
Component Polyethylene TION 4: First aid measur If inhaled	ormation on ingredients CAS-No. 9002-88-4 es Move to fresh air in case fumes from overheating o call a physician. If the molten material gets immediate medical attent	0 100
Component Polyethylene TION 4: First aid measur If inhaled In case of skin contact	crmation on ingredients CAS-No. 9002-88-4 es Move to fresh air in case fumes from overheating o call a physician. If the molten material gets immediate medical attent material from the skin or	of accidental inhalation of dust or or combustion. If symptoms persist, s on skin, quickly cool in water. Seek ion. Do not try to peel the solidified use solvents or thinners to dissolve it. h eyes, rinse immediately with plenty
Component Polyethylene TION 4: First aid measur If inhaled In case of skin contact In case of eye contact	ormation on ingredients CAS-No. 9002-88-4 es : Move to fresh air in case fumes from overheating or call a physician. : If the molten material gets immediate medical attent material from the skin or interval	of accidental inhalation of dust or or combustion. If symptoms persist, s on skin, quickly cool in water. Seek ion. Do not try to peel the solidified use solvents or thinners to dissolve it. h eyes, rinse immediately with plenty al advice.
Component Polyethylene TION 4: First aid measur If inhaled In case of skin contact In case of eye contact If swallowed	ormation on ingredients CAS-No. 9002-88-4 es : Move to fresh air in case fumes from overheating or call a physician. : If the molten material gets immediate medical attent material from the skin or induce vomiting were and seek medical attent induce vomiting were and seek medical induce vomiting were and seek medical induce vomiting were volume to a set induce volume to a set induce volume vo	of accidental inhalation of dust or or combustion. If symptoms persist, s on skin, quickly cool in water. Seek ion. Do not try to peel the solidified use solvents or thinners to dissolve it. h eyes, rinse immediately with plenty al advice.
TION 3: Composition/info Component Polyethylene TION 4: First aid measure If inhaled In case of skin contact In case of eye contact If swallowed TION 5: Firefighting mea Flash point	ormation on ingredients CAS-No. 9002-88-4 es : Move to fresh air in case fumes from overheating or call a physician. : If the molten material gets immediate medical attent material from the skin or induce vomiting were and seek medical attent induce vomiting were and seek medical induce vomiting were and seek medical induce vomiting were volume to a set induce volume to a set induce volume vo	of accidental inhalation of dust or or combustion. If symptoms persist, s on skin, quickly cool in water. Seek ion. Do not try to peel the solidified use solvents or thinners to dissolve it. h eyes, rinse immediately with plenty al advice.

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Autoignition temperature	:	No data available
Suitable extinguishing media	:	Water. Water mist. Dry chemical. Carbon dioxide (CO2). Foam. If possible, water should be applied as a spray from a fogging nozzle since this is a surface burning material. The application of high velocity water will spread the burning surface layer. Avoid the use of straight streams that may create a dust cloud and the risk of a dust explosion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting	:	Risks of ignition followed by flame propagation or secondary explosions can be caused by the accumulation of dust, e.g. on floors and ledges.
Special protective equipment for fire-fighters	:	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	This material will burn although it is not easily ignited.
Fire and explosion protection	:	Treat as a solid that can burn. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous decomposition products	:	Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde.
SECTION 6: Accidental release	mea	asures
Personal precautions	:	Sweep up to prevent slipping hazard. Avoid breathing dust.
		Avoid dust formation.
Environmental precautions	:	Do not contaminate surface water. Prevent product from entering drains.
Methods for cleaning up	:	Clean up promptly by sweeping or vacuum.
Additional advice	:	Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
SECTION 7: Handling and stora	ige	
Handling		
Advice on safe handling	:	Use good housekeeping for safe handling of the product. Keep out of water sources and sewers. Spilled pellets may create a slipping hazard. Electrostatic charge may accumulate and create a hazardous
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	bond them >177 are ir throa aceta and a epide carcii	ing and grounding selves be sufficie °C), polyethylene ritating to the mu t, and lungs. The Idehyde, acetone acrolein. Based c emiological evider nogen. Following	ng this material. To minin g may be necessary, but ent. At elevated temperat e can release vapors and cous membranes of the e ese substances may inclu- e, acetic acid, formic acid on animal data and limited nce, formaldehyde has be g all recommendations wi sure to thermal processin	may not by cures (>350°F, gases, which eyes, mouth, ide , formaldehyde d een listed as a thin this SDS
Advice on protection against fire and explosion	dispe	rsed in air in suff ence of an ignitior	an burn. Avoid generatin icient concentrations, and n source is a potential due	d in the
Storage				
Requirements for storage areas and containers	: Keep	in a dry place. K	Keep in a well-ventilated p	place.
Advice on common storage		ot store together	with oxidizing and self-ig	niting products
ECTION 8: Exposure controls	s/personal	protection		
ECTION 8: Exposure controls	s/personal	protection		
ECTION 8: Exposure controls Ingredients with workplac	s/personal	protection	Control parameters	Note
ECTION 8: Exposure controls Ingredients with workplac S	s/personal e control p	protection		
ECTION 8: Exposure controls Ingredients with workplac S Components Nuisance Dust ontrol as Particulate Not Otherwise Cla r total dust. The OSHA PEL for respira This value is for inhalable (total) particu Engineering measures Consider the potential hazal activities, and other substan personal protective equipme exposure to harmful levels of	Basis OSHA Z-3 OSHA Z-3 OSHA Z-3 ssified (PNOC ble dust is 5.0 late matter co rds of this r icces in the v ent. If engin of this mate	Value TWA TWA TWA TWA TWA Omg/m3 and 15.0 mg Intaining no asbestos naterial (see Sec work place when neering controls of rial, the personal	Control parameters 15 mg/m3 5 mg/m3 eline* for respirable dust is 3.0 r /m3 for total dust. and < 1.0% crystalline silica. tion 2), applicable expose designing engineering co or work practices are not protective equipment list	Note Total dust (respirable dust) ng/m3 and 10.0 mg/m3 ure limits, job ontrols and selecting adequate to preven ed below is
ECTION 8: Exposure controls Ingredients with workplac S Components Nuisance Dust Dontrol as Particulate Not Otherwise Cla r total dust. The OSHA PEL for respira This value is for inhalable (total) particu Engineering measures Consider the potential hazar activities, and other substan personal protective equipment exposure to harmful levels of recommended. The user sh the equipment since protect	Basis OSHA Z-3 OSHA Z-3 OSHA Z-3 OSHA Z-3 ssified (PNOC able dust is 5.0 alate matter co rds of this r aces in the v ent. If engin of this mate nould read a ion is usua	Value TWA TWA TWA TWA TWA TWA Omg/m3 and 15.0 mg Intaining no asbestos naterial (see Sec work place when neering controls of rial, the personal and understand a	Control parameters 15 mg/m3 5 mg/m3 bline* for respirable dust is 3.0 r /m3 for total dust. and < 1.0% crystalline silica. tion 2), applicable expose designing engineering co or work practices are not protective equipment list all instructions and limitati	Note Total dust (respirable dust) ng/m3 and 10.0 mg/m3 ure limits, job pontrols and selecting adequate to preven ed below is ons supplied with
ECTION 8: Exposure controls Ingredients with workplac S Components Nuisance Dust Ontrol as Particulate Not Otherwise Cla r total dust. The OSHA PEL for respira This value is for inhalable (total) particu Engineering measures Consider the potential hazar activities, and other substan personal protective equipme exposure to harmful levels of recommended. The user sh	Basis OSHA Z-3 OSHA Z-3 OSHA Z-3 OSHA Z-3 ssified (PNOC able dust is 5.0 alate matter co rds of this r ices in the v ent. If engin of this mate nould read a ion is usua ment	Value TWA The ACGIH Guide Ing/m3 and 15.0 mg Intaining no asbestos naterial (see Sec Work place when neering controls of rial, the personal and understand a Ily provided for a	Control parameters 15 mg/m3 5 mg/m3 bline* for respirable dust is 3.0 r /m3 for total dust. and < 1.0% crystalline silica. tion 2), applicable expose designing engineering co or work practices are not protective equipment list all instructions and limitati	Note Total dust (respirable dust) mg/m3 and 10.0 mg/m3 ure limits, job pontrols and selecting adequate to preven ed below is ons supplied with tain circumstances.

may not provide adequate protection. Dust safety masks are recommended when the dust concentration is excessive.

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Eye protection		Use of safety glasses with side shields for solid handling is good industrial practice. If this material is heated, wear chemical goggles or safety glasses with side shields or a face shield. If there is potential for dust, use chemical goggles.
Skin and body protection		At ambient temperatures use of clean and protective clothing is good industrial practice. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate.
CTION 9: Physical and chemi	cal	properties
Information on basic physic	cal a	and chemical properties
Appearance		
Form Physical state Color Odor Odor Threshold	:	Pellets solid Opaque Mild to no odor No data available
Safety data		
Flash point	:	No data available
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Autoignition temperature	:	No data available
Thermal decomposition	:	Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.
рН	:	Not applicable
Melting point/ range	:	90-140°C (194-284°F)
Freezing point		Not applicable
Initial boiling point and boiling range	:	Not applicable
Vapor pressure	:	Not applicable
Relative density	:	Not applicable
Density	:	0.91 - 0.97 g/cm3 Please refer to the Technical Data Sheet (TDS) for more detailed information relating to the nominal physical properties, including density, of this polyethylene resin grade.
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Water solubility	: negligible
Partition coefficient: n- octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Relative vapor density	: Not applicable
Evaporation rate	: Not applicable

SECTION 10: Stability and reactivity

Reactivity	: This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous rea	ctions
Hazardous reactions	: Hazardous reactions: None known.
Conditions to avoid	: Avoid prolonged storage at elevated temperature.
Materials to avoid	: Avoid contact with strong oxidizing agents.
Thermal decomposition	: Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.
Hazardous decomposition products	 Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde.
Other data	: No decomposition if stored and applied as directed.
SECTION 11: Toxicological infor	mation

Marlex® 1018 Polyethylene Acute oral toxicity :	Presumed Not Toxic
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Marlex® 1018 Polyethylene Acute inhalation toxicity	: Presumed Not Toxic
Marlex® 1018 Polyethylene Acute dermal toxicity	: Presumed Not Toxic
Marlex® 1018 Polyethylene Skin irritation	: No skin irritation
Marlex® 1018 Polyethylene Eye irritation	: No eye irritation
Marlex® 1018 Polyethylene Sensitization	: Did not cause sensitization on laboratory animals.
Marlex® 1018 Polyethylene Further information	: This product contains POLYMERIZED OLEFINS. During thermal processing (>350°F, >177°C) polyolefins can release vapors and gases (aldehydes,ketones and organic acids) which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. Generally these irritant effects are all transitory. However, prolonged exposure to irritating off-gases can lead to pulmonary edema. Formaldehyde (an aldehyde)
	has been classified as a carcinogen based on animal data and limited epidemiological evidence.
CTION 12: Ecological information	has been classified as a carcinogen based on animal data and limited epidemiological evidence.
CTION 12: Ecological information	has been classified as a carcinogen based on animal data and limited epidemiological evidence.
CTION 12: Ecological informat	has been classified as a carcinogen based on animal data and limited epidemiological evidence.
	has been classified as a carcinogen based on animal data and limited epidemiological evidence.
Ecotoxicity effects	has been classified as a carcinogen based on animal data and limited epidemiological evidence.
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and	has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion : Not applicable
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates	 has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion : Not applicable : No data available : This material is not expected to be readily biodegradable.
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Biodegradability	 has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion : Not applicable : No data available : This material is not expected to be readily biodegradable.
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Biodegradability Elimination information (persis	 has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion : Not applicable : No data available : This material is not expected to be readily biodegradable. tence and degradability)
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Biodegradability Elimination information (persis Bioaccumulation	has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion : Not applicable : No data available : This material is not expected to be readily biodegradable. tence and degradability) : Does not bioaccumulate.
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Biodegradability Elimination information (persis Bioaccumulation Mobility	 has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion : Not applicable : No data available : This material is not expected to be readily biodegradable. tence and degradability) : Does not bioaccumulate. : The product is insoluble and floats on water.
Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Biodegradability Elimination information (persis Bioaccumulation Mobility Results of PBT assessment Additional ecological	 has been classified as a carcinogen based on animal data and limited epidemiological evidence. tion Not applicable No data available This material is not expected to be readily biodegradable. tence and degradability) Does not bioaccumulate. The product is insoluble and floats on water. Non-classified vPvB substance This material is not expected to be harmful to aquatic organisms., Fish or birds may eat pellets which may obstruct

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Short-term (acute) aquatic
hazard
Long-term (chronic) aquatic
hazard
This product has no known ecotoxicological effects.
This product has no known ecotoxicological effects.

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

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Maritime transport in bulk according to IMO instruments					
SECTION 15: Regulatory informa	tion				
National legislation					
SARA 311/312 Hazards	: Combustible dust				
EPCRA - EMERGENCY PLAN	EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO – KNOW				
CERCLA Reportable Quantity	: This material does not contain any components with a CERCLA RQ.				
SARA 302 Reportable Quantity	: This material does not contain any components with a SARA 302 RQ.				
Planning Quantity	 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. This material does not contain any components with a section 304 EHS RQ. 				
SARA 313 Components	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.				
Clean Air Act					
Ozone-Depletion : This product neither contains, nor was manufactured with a Class I or Potential : Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).					
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).					
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).					
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).					
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US State Regulations				
	Polyethylene - 9002-88-4 This product, as shipped, does not contain any carcinogens or reproductive toxins presently known by the State of California to cause cancer or reproductive toxicity at a level of exposure subject to the requirements of California Proposition 65.			
Notification status Europe REACH Europe REACH Switzerland CH INV United States of America (USA) TSCA Canada DSL Australia AIIC New Zealand NZIoC Japan ENCS Korea KECI Philippines PICCS Taiwan TCSI China IECSC Other TECI	 Not in compliance with the inventory On the inventory, or in compliance with the inventory Not in compliance with the inventory All substances listed as active on the TSCA inventory All components of this product are on the Canadian DSL On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory 			
ECTION 16: Other information NFPA Classification :	Health Hazard: 0 Fire Hazard: 1 Reactivity Hazard: 0			
Further information				
Significant changes since the las	st version are highlighted in the margin. This version replaces all			
The information in this SDS pertains only to the product as shipped. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a				
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guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Ke	ey or legend to abbreviations and a	cronyms used	in the safety data sheet
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%	ATE	Acute toxicity estimate