

## Marlex® DV 109P-C05 Polyethylene

Version 3.3

Revision Date 2024-10-23

SECTION 1: Identification of	ECTION 1: Identification of the substance/mixture and of the company/undertaking		
	· · · ·		
<b>Product information</b> Product Name Material	: Marlex® DV 109P-C05 Polyethylene : 1024743		
Company	: Chevron Phillips Chemical Company LP 10001 Six Pines Drive The Woodlands, TX 77380		
Emergency telephone:			
Asia: CHEMWATCH ( Mexico CHEMTREC ( South America SOS-C Argentina: +(54)-1159 EUROPE: BIG +32.14 Austria: VIZ +43 1 406 Belgium: 070 245 245 Bulgaria: +359 2 9154 Croatia: +3851 2348 3 Cyprus: 1401 Czech Republic: Toxic Denmark: Danish Pois Estonia: BIG +32.14.5 Finland: 0800 147 111 France: ORFILA numl Germany: BIG +32.14 Greece: (0030) 21077 Hungary: +36-80-201- Iceland: 543 2222 (24	national) .9300 or 703.527.3887(int'l) (+612 9186 1132) China: 0532 8388 9090 D1-800-681-9531 (24 hours) Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 .839431 4.584545 (phone) or +32.14583516 (telefax) 6 43 43 (24 hours/day, 7 days/week) i (24 hours/day, 7 days/week) 4 233 342 (24 hours/day, 7 days/week) cological Information Center +420 224 919 293, +420 224 915 402 son Center (Giftlinjen): +45 8212 1212 .84545 (phone) or +32.14583516 (telefax) 1 09 471 977 (24 hours/day) ber (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) .584545 (phone) or +32.14583516 (telefax) 1 09 471 977 (24 hours/day, 7 days/week) .584545 (phone) or +32.14583516 (telefax) 1 99 (24 hours/day, 7 days/week) .199 (24 hours/day, 7 days/week) .199 (24 hours/day, 7 days/week) .100 471 977 (24 hours/day) .100 471 977 (24 hours/day) .100 471 977 977 977 977 977 977 977 977 977 9		
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Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02 66101029; POISON CENTER ROME - Policlinico "Agostino Gemelli", Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME - Ospedale Pediatrico Bambino Gesù Tel. +39 06 68593726; POISON CENTER ROME – Policlinico "Umberto I" Tel. +39 06 4997 8000; POISON CENTER FOGGIA - Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326; POISON CENTER NAPLES – Azienda Ospedaliera "Antonio Cardarelli" Tel. +39 081 7472870; POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055 7947819; POISON CENTER PAVIA - IRCCS Fondazione Salvatore Maugeri Tel. +39 0382 24444; POISON CENTER BERGAMO - Azienda Ospedaliera "Papa Giovanni XXIII" Tel. 800 883 300; POISON CENTER VERONA - Azienda Ospedaliera Universitaria integrata Tel. 800 011 858: Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.) Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Lithuania: +370 (85) 2362052 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week) Malta: +356 2395 2000 The Netherlands: NVIC: +31 (0)88 755 8000 Norway: 22 59 13 00 (24 hours/day, 7 days/week) Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Portugal: CIAV phone number: +351 800 250 250 Romania: +40213183606 Slovakia: +421 2 5477 4166 Slovenia: Phone number: 112 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week) Sweden: 112 - ask for Poisons Information : Product Safety and Toxicology Group Responsible Department : SDS@CPChem.com E-mail address Website www.CPChem.com : MEDICAL APPLICATION CAUTION: Do not use this material in medical applications involving permanent implantation in the human body or permanent contact with internal body fluids or tissues fluids or tissues. Do not use this material in medical applications involving brief or temporary implantation in the human body or contact with internal body fluids or tissues unless the material has been provided directly from Chevron Phillips Chemical Company LP or its legal affiliates under an agreement which expressly acknowledges the contemplated use. Chevron Phillips Chemical Company LP and its legal affiliates makes no representation, promise, express warranty or implied warranty concerning the suitability of this material for use in implantation in the human body or in contact with internal body fluids or tissues. **SECTION 2: Hazards identification** Classification of the substance or mixture This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard. Classification : Combustible dust Labeling

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Signal Word		
Hazard Statements	<ul> <li>Warning</li> <li>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.</li> </ul>	
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	
Inhalation	<ul> <li>temperatures may generate formaldehyde.</li> <li>Repeated exposure to dust from this material may cause respiratory irritation.</li> <li>Fumes generated during thermal processing may cause</li> </ul>	
Skin	<ul> <li>irritation of the upper respiratory tract.</li> <li>Contact with the skin is not expected to cause prolonged or significant irritation.</li> <li>Contact with the skin is not expected to cause an allergic response.</li> <li>If this material is heated, thermal burns may result from contact.</li> <li>Thermal burns may include pain or feeling of heat, diagelerations and blistering.</li> </ul>	
Eyes	<ul> <li>discolorations, swelling, and blistering.</li> <li>Contact with the eyes may cause irritation due to the abrasive action.</li> <li>Not expected to cause prolonged or significant eye irritation.</li> </ul>	
Ingestion	Thermal burns may result if heated material contacts eye. : Ingestion of this product is not a likely route of exposure.	
Carcinogenicity:		
IARC	No ingredient of this product present at levels greater than or	
-	equal to 0.1% is identified as probable, possible or confirmed	
NTP	human carcinogen by IARC. No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
CTION 3: Composition/inf	ormation on ingredients	
Component Polyethylene Hexene Cop	CAS-No.         Weight %           polymer         25213-02-9         99 - 100	
CTION 4: First aid measur	es	
If inhaled	: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.	
In case of skin contact	: If the molten material gets on skin, quickly cool in water. Seek immediate medical attention. Do not try to peel the solidified	

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		material from the skin or use solvents or thinners to dissolve it.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	Do not induce vomiting without medical advice.
TION 5: Firefighting measu	res	
Flash point	:	No data available
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.
TION 6: Accidental release	me	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
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dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

#### **SECTION 7: Handling and storage**

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 condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient. At elevated temperatures (>350°F, >177°C), polyethylene can release vapors and gases, which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. These substances may include acetaldehyde, acetone, acetic acid, formic acid, formaldehyde and acrolein. Based on animal data and limited epidemiological evidence, formaldehyde has been listed as a carcinogen. Following all recommendations within this SDS should minimize exposure to thermal processing emissions.
Advice on protection against fire and explosion	:	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.
Storage		
Requirements for storage areas and containers	:	Keep in a dry place. Keep in a well-ventilated place.
Advice on common storage	:	Do not store together with oxidizing and self-igniting products.

#### **SECTION 8: Exposure controls/personal protection**

#### Ingredients with workplace control parameters

#### US

Components	Basis	Value	Control parameters	Note
Nuisance Dust	OSHA Z-3	TWA	15 mg/m3	Total dust
	OSHA Z-3	TWA	5 mg/m3	(respirable dust)

Control as Particulate Not Otherwise Classified (PNOC). The ACGIH Guideline\* for respirable dust is 3.0 mg/m3 and 10.0 mg/m3 for total dust. The OSHA PEL for respirable dust is 5.0 mg/m3 and 15.0 mg/m3 for total dust.

\* This value is for inhalable (total) particulate matter containing no asbestos and < 1.0% crystalline silica.

#### **Engineering measures**

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

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Personal protective equipment				
Respiratory protection	<ul> <li>No respiratory protection is normally required. If heated material generates vapor or fumes that are not adequately controlled by ventilation, wear an appropriate respirator. Use the following elements for air-purifying respirators: Organic Vapor and Formaldehyde. A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.</li> <li>Dust safety masks are recommended when the dust concentration is excessive.</li> </ul>			
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 cher	nical properties			
	· · ·			
	sical and chemical properties			
Appearance Form Physical state Color Odor Odor Threshold	<ul> <li>Pellets</li> <li>solid</li> <li>Opaque</li> <li>Mild to no odor</li> <li>No data available</li> </ul>			
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)			
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Freezing point		Not applicable
Initial boiling point and boiling range	g :	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.
Water solubility	:	negligible
Partition coefficient: n-	:	No data available
octanol/water Solubility in other solvents	:	No data available
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Relative vapor density	:	Not applicable
Evaporation rate	:	Not applicable
CTION 10: Stability and react	ivitv	,
Reactivity	:	This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Reactivity Chemical stability	:	ambient and anticipated storage and handling conditions of
-		ambient and anticipated storage and handling conditions of temperature and pressure. This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Chemical stability	actio	ambient and anticipated storage and handling conditions of temperature and pressure. This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Chemical stability Possibility of hazardous rea	actio	<ul> <li>ambient and anticipated storage and handling conditions of temperature and pressure.</li> <li>This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.</li> <li>bns</li> <li>Hazardous reactions: See 'Conditions to Avoid' and/or</li> </ul>
Chemical stability Possibility of hazardous rea	actio :	ambient and anticipated storage and handling conditions of temperature and pressure. This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. <b>Dns</b> Hazardous reactions: See 'Conditions to Avoid' and/or "Materials to Avoid" in this section.
Chemical stability Possibility of hazardous rea Hazardous reactions	actio :	<ul> <li>ambient and anticipated storage and handling conditions of temperature and pressure.</li> <li>This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.</li> <li>bns</li> <li>Hazardous reactions: See 'Conditions to Avoid' and/or "Materials to Avoid" in this section.</li> <li>Further information: No hazards to be specially mentioned.</li> </ul>
Chemical stability Possibility of hazardous rea Hazardous reactions Conditions to avoid	actio :	<ul> <li>ambient and anticipated storage and handling conditions of temperature and pressure.</li> <li>This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.</li> <li>bns</li> <li>Hazardous reactions: See 'Conditions to Avoid' and/or "Materials to Avoid" in this section.</li> <li>Further information: No hazards to be specially mentioned.</li> <li>Avoid prolonged storage at elevated temperature.</li> </ul>

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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.
CTION 11: Toxicological infor	nation
Marlex® DV 109P-C05 Polye Acute oral toxicity	thylene : Presumed Not Toxic
Marlex® DV 109P-C05 Polye Acute inhalation toxicity	
Marlex® DV 109P-C05 Polye Acute dermal toxicity	thylene : Presumed Not Toxic
Marlex® DV 109P-C05 Polye Skin irritation	thylene : No skin irritation
Marlex® DV 109P-C05 Polye Eye irritation	thylene : No eye irritation
Marlex® DV 109P-C05 Polye Sensitization	thylene : Did not cause sensitization on laboratory animals.
Marlex® DV 109P-C05 Polye Further information	<ul> <li>thylene</li> <li>This product contains POLYMERIZED OLEFINS. During thermal processing (&gt;350°F, &gt;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.</li> </ul>
CTION 12: Ecological informa	tion
Ecotoxicity effects	

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Biodegradability	: This material is not expected to be readily biodegradable.	
Elimination information (persis	stence and degradability)	
Bioaccumulation	: Does not bioaccumulate.	
Mobility	: The product is insoluble and floats on water.	
Additional ecological information	: This material is not expected to be harmful to aquatic organisms., Fish or birds may eat pellets which may obstruct their digestive tracts.	
Ecotoxicology Assessment		
Short-term (acute) aquatic hazard	: This product has no known ecotoxicological effects.	
Long-term (chronic) aquatic hazard	: This product has no known ecotoxicological effects.	
SECTION 13: Disposal considera	ations	
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		

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))

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NOT REGULATED AS A TRANSPORTATION BY	HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR THIS AGENCY.
RID (REGULATIONS CON	CERNING THE INTERNATIONAL TRANSPORT OF
DANGEROUS GOODS (EU	
TRANSPORTATION BY	
	MENT CONCERNING THE INTERNATIONAL CARRIAGE
	BY INLAND WATERWAYS) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR
TRANSPORTATION BY	
Maritime transport in bulk	according to IMO instruments
CTION 15: Regulatory inforr	nation
National legislation	
SARA 311/312 Hazards	: Combustible dust
	<ul> <li>Compussible dust</li> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> </ul>
EPCRA - EMERGENCY PLA	ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCLA
EPCRA - EMERGENCY PLA CERCLA Reportable Quantity SARA 302 Reportable	ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCLA RQ. : This material does not contain any components with a SARA
EPCRA - EMERGENCY PLA CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold Planning Quantity SARA 304 Reportable	<ul> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> <li>This material does not contain any components with a SARA 302 RQ.</li> <li>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</li> <li>This material does not contain any components with a section</li> </ul>
EPCRA - EMERGENCY PLA CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold Planning Quantity SARA 304 Reportable Quantity SARA 313 Components Clean Air Act	<ul> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> <li>This material does not contain any components with a SARA 302 RQ.</li> <li>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</li> <li>This material does not contain any components with a section 304 EHS RQ.</li> <li>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.</li> </ul>
EPCRA - EMERGENCY PLA CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold Planning Quantity SARA 304 Reportable Quantity SARA 313 Components Clean Air Act Ozone-Depletion : This p Potential Class	<ul> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> <li>This material does not contain any components with a SARA 302 RQ.</li> <li>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</li> <li>This material does not contain any components with a section 304 EHS RQ.</li> <li>This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis)</li> </ul>

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This product does not contain an Act Section 112 (40 CFR 61).	v hazardous air pollutants (HAP), as defi	ned by the U.S. Clean Air
This product does not contain an Accidental Release Prevention (4	chemicals listed under the U.S. Clean 0 CFR 68.130, Subpart F).	Air Act Section 112(r) for
This product does not contain an Intermediate or Final VOC's (40 0	r chemicals listed under the U.S. Clean <i>i</i> FR 60.489).	Air Act Section 111 SOCN
US State Regulations		
	No components are subject to the Penns Act.	ylvania Right to Know
Components	This product, as shipped, does not conta eproductive toxins presently known by th cause cancer or reproductive toxicity at a subject to the requirements of California	ne State of California to a level of exposure
Notification status Europe REACH	: This product is in full compliance regulation 1907/2006/EC.	e according to REACH
Switzerland CH INV United States of America (USA) TSCA Canada DSL	<ul> <li>On the inventory, or in complian</li> <li>On or in compliance with the act TSCA inventory</li> <li>All components of this product a</li> </ul>	ive portion of the
Australia AIIC New Zealand NZIoC Japan ENCS Korea KECI Philippines PICCS Korea KECI	<ul> <li>DSL</li> <li>On the inventory, or in complian</li> <li>All substances in this product we to be registered, or exempted free CPChem through an Only Representations. Importation</li> </ul>	ce with the inventory ce with the inventory ce with the inventory ce with the inventory ere registered, notified om registration by
		ion of this product is

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### **SECTION 16: Other information**

NFPA Classification	: Health Hazard: 0 Fire Hazard: 1 Reactivity Hazard: 0	
Further information		

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

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 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.

ACGIH	American Conference of	LD50	Lethal Dose 50%
	Government Industrial Hygienists		
AIIC	Australian Inventory of Industrial	LOAEL	Lowest Observed Adverse Effe
	Chemicals		Level
DSL	Canada, Domestic Substances	NFPA	National Fire Protection Agence
	List		
NDSL	Canada, Non-Domestic	NIOSH	National Institute for Occupation
	Substances List		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 Concentra
EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health
	Scenario Tool		Administration
EOSCA	European Oilfield Specialty	PEL	Permissible Exposure Limit
	Chemicals Association		
EINECS	European Inventory of Existing	PICCS	Philippines Inventory of
	Chemical Substances		Commercial Chemical Substar
MAK	Germany Maximum Concentration	PRNT	Presumed Not Toxic
	Values		
GHS	Globally Harmonized System	RCRA	Resource Conservation Recov
			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	TLV	Threshold Limit Value
15000	on Cancer		
IECSC	Inventory of Existing Chemical	TWA	Time Weighted Average
	Substances in China		
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical	UVCB	Unknown or Variable Composi
	Inventory	OVOD	Complex Reaction Products, a
	inventory		

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			Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%	ATE	Acute toxicity estimate

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