

Marlex® HHM 4903 Polyethylene

Version 1.9

Revision Date 2024-10-24

According to Regulation (EC) No. 1907/2006, Regulation (EC) No. 2020/878

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

1.1

Product information

Product Name	: Marlex® HHM 4903 Polyethylene
Material	: 1080927, 1088087, 1088083, 1088086, 1080928, 1080929,
	1080930, 1080931, 1088583, 1088088, 1088089, 1018740,
	1018739, 1018009, 1018742, 1018743, 1018744, 1019306,
	1018741, 1018005, 1019308, 1019307, 1019304, 1019305,
	1019309

EC-No.Registration number

Chemical name	CAS-No. EC-No. Index No.	Legal Entity Registration number
Ethylene	74-85-1 200-815-3 601-010-00-3	Chevron Phillips Chemical Company LP 01-2119462827-27-0004
Ethylene	74-85-1 200-815-3 601-010-00-3	Chevron Phillips Chemicals International NV 01-2119462827-27-0271
1-Hexene	592-41-6 209-753-1	Chevron Phillips Chemical Company LP 01-2119475505-34-0005
1-Hexene	592-41-6 209-753-1	Chevron Phillips Chemicals International NV 01-2119475505-34-0021

1.3

Details of the supplier of the safety data sheet

Company	: Chevron Phillips Chemical Company LP 10001 Six Pines Drive The Woodlands, TX 77380
Local	: Chevron Phillips Chemicals International N.V.
SDS Number:10000000714	1/13

Airport Plaza (Stockholm Building) Leonardo Da Vincilaan 19 1831 Diegem Belgium SDS Requests: (800) 852-5530 Responsible Party: Product Safety Group Email:sds@cpchem.com 1.4 Emergency telephone: Health: 866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEIMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEIMWATCH (+612 9186 1132) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EURCPF: BIG +32.14.5844545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 702 425 425 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinjen): +45 8212 121 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 145 42 59 59 (24 hours/day, 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 145 42 59 59 (24 hours/day, 7 days/week) Iceland: 543 2222 (24 ho
Responsible Party: Product Safety Group Email:sds@cpchem.com 1.4 Emergency telephone: Health: 866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Demmark: Danish Poison Center (Giftinjen): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day), 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day), 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day), 7 days/week) Iceland: 643 2222 (24 hours/day, 7 days/week) Iceland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) fireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Italy: POISON CENTER RIMLAN – Azienda Ospedaliera Niguarda Ca`Grande Tel. +39 02 66101029; POISON CENTER ROME – Policlinico "Agostino Gemell", Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME – Ospedalera Niguarda Ca`Grande Tel. +39 06 4997 800 POISON CENTER NAPLES – Azienda Ospedaliera "Antonio Cardarelli" Tel. +39 0881 732326; POISON CENTER RAPLES – Azienda Ospedaliera "Antonio Cardarelli" Tel. +39 0881 732328; POISON CENTER RAPLES –
Emergency telephone: Health: 866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazii: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +385 2 348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) Gereacy: (0030) 2107793777 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week) Ireland: 543 2222 (24 hours/day, 7 days/week) Ireland: 543 2232 (24 hours/day, 7 days/week) Ireland: 543 2232 (24 hours/day, 7 days/week) Ireland: 543 2343 (5 (phone) or +32.14583516 (telefax) Iral; POISON CENTER ROME – Policinico "Umberto I" Tel. +39 06 3054343; POISON CENTER ROME – Objecilaitera Nijuarda Ca' Grande Tel. +39 06 3054343; POISON CEN
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24444; POISON CENTER BERGAMO – Azienda Ospedaliera "Papa Giovanni XXIII" Tel. 800 81 300; 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 +37 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)

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Responsible De E-mail address Website		: SDS	duct Safety ar S@CPChem.co v.CPChem.co	com	y Group	
	antation in t				n medical applic ct with internal b	ations involving ody fluids or tissues
human body or	contact with evron Philli	n internal b ps Chemic	ody fluids or t al Company L	issues unles		lantation in the as been provided an agreement which
	ty or implied	warranty	concerning th	e suitability	of this material fo	entation, promise, or use in implantation
SECTION 2: Hazard	ls identifica	ation				
	(EC) No 12	72/2008		Regulation	(EC) No 1272/20	008.
2.2 Labeling (REG Not a hazardous	```	,	,	Regulation	(EC) No 1272/20	008.
SECTION 3: Compo	osition/info	rmation o	n ingredients	3		
3.1 - 3.2 Substance or Mixtu Hazardous ing						
Chemical na	ame (CAS-No.		fication	Concentration	Specific Conc.
	I	EC-No. ndex No.		TION (EC) 2/2008)	[wt%]	Limits, M-factors and ATEs
Polyethylene He Copolymer	exene 25	213-02-9			99 - 100	
Contains no haz	ardous ingr	edients ac	cording to GH	IS. :		
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SECTION 4: First aid measures

4.1

Description of first-aid measures

If inhaled	: Move to fresh air in case of accidental inhalation of du fumes from overheating or combustion. If symptoms a call a physician.	
In case of skin contact	: If the molten material gets on skin, quickly cool in wate immediate medical attention. Do not try to peel the sc material from the skin or use solvents or thinners to di	lidified
In case of eye contact	: In the case of contact with eyes, rinse immediately wit of water and seek medical advice.	h plenty
If swallowed	: Do not induce vomiting without medical advice.	

4.2 Most important symptoms and effects, both acute and delayed4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

	Flash point	:	No data available
	Autoignition temperature	:	No data available
5.1	Extinguishing media		
	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.
5.2	Special hazards arising from Specific hazards during fire fighting		
5.3	Advice for firefighters Special protective equipment for fire-fighters Further information	:	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary. 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	:	Normal combustion forms carbon dioxide, water vapor and may
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products			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: A	ccidental release	mea	asures
5.1 Personal	precautions, prote	ecti	ve equipment and emergency procedures
Personal p	recautions	:	Sweep up to prevent slipping hazard. Avoid breathing dust. Avoid dust formation.
	ental precautions	;	
Environme	ntal precautions	:	Do not contaminate surface water. Prevent product from entering drains.
	and materials for our of the second s	con :	tainment and 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).
	to other sections		· · ·
SECTION 7: H	andling and stora	ge	
7.1 Precautio Handling	ns for safe handli	ng	
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 against fire	protection 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
7.2			hazard.

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Conditions for safe storage, including any incompatibilities

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

8.2

Exposure controls 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.

Personal protective equipment

	Respiratory protection :	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. Dust safety masks are recommended when the dust concentration is excessive.		
	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.		
SECTION 9: Physical and chemical properties				
9.1	9.1 Information on basic physical and chemical properties			
	Appearance			
	Form	: Pellets		
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Physical state Color Odor Odor Threshold	 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	: Not applicable
range 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- 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
CTION 10: Stability and reactiv	vity
	•

10.1

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Reactivity	This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.		
10.2			
Chemical stability	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.		
10.3			
Possibility of hazardous read	ctions		
10.4 Conditions to avoid	: Avoid prolonged storage at elevated temperature.		
10.5 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.		
10.6 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 inform	mation		
11.1 Information on toxicological Marlex® HHM 4903 Polyethy Acute oral toxicity	effects lene		
Marlex® HHM 4903 Polyethy Acute inhalation toxicity			
Marlex® HHM 4903 Polyethy Acute dermal toxicity			
Marlex® HHM 4903 Polyethy Skin irritation	lene : No skin irritation		
Marlex® HHM 4903 Polyethy	lene : No eye irritation		
Eye irritation			

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Marlex® HHM 4903 Polyeth Sensitization	
11.2 Information on other hazar	rds
Marlex® HHM 4903 Polyeth 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.
Endocrine disrupting properties	:
SECTION 12: Ecological inform	nation
12.1 Toxicity	
Ecotoxicity effects	
12.2 Persistence and degradab	ility
Biodegradability	: This material is not expected to be readily biodegradable.
12.3 Bioaccumulative potential Elimination information (pers	
Bioaccumulation	: Does not bioaccumulate.
12.4 Mobility in soil	
Mobility	: The product is insoluble and floats on water.
12.5 Results of PBT and vPvB a	assassment
12.6 Endocrine disrupting prop	
Endocrine disrupting properties	:
12.7 Other adverse effects	
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.
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Additional Information

Ecotoxicology Assessment

SECTION 13: Disposal considerations

13.1

Waste treatment methods

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

14.1 - 14.7

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))

NÒT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROÚS 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.

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OF DANGEROUS GOODS BY INI	CONCERNING THE INTERNATIONAL CARRIAGE LAND WATERWAYS) RDOUS MATERIAL OR DANGEROUS GOODS FOR
TRANSPORTATION BY THIS A	
Maritime transport in bulk accor	ding to IMO instruments
SECTION 15: Regulatory information	
5.1	
National legislation	I regulations/legislation specific for the substance or mixture
	/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 o e Council on the Registration, Evaluation, Authorisation and
Water hazard class : r (Germany)	nwg not water endangering
5.2	
Major Accident Hazard : 9	96/82/EC Update: 2003
•	Directive 96/82/EC does not apply
Notification status	
Europe REACH	: This product is in full compliance according to REACH
Switzerland CH INV	regulation 1907/2006/EC. : On the inventory, or in compliance with the inventory
United States of America (USA)	: On or in compliance with the active portion of the
TSCA	TSCA inventory
Canada DSL	: All components of this product are on the Canadian DSL
Australia AIIC	: On the inventory, or in compliance with the inventory
New Zealand NZIoC	: On the inventory, or in compliance with the inventory
Japan ENCS Korea KECI	 On the inventory, or in compliance with the inventory A substance(s) in this product was not registered,
Norea NECI	notified to be registered, or exempted from registration
	by CPChem according to K-REACH regulations.
	Importation or manufacture of this product is still
	permitted provided the Korean Importer of Record has themselves notified the substance or the exported
	amount does not exceed the minimum threshold
	quantity of the non-registered substance(s).
Philipping PICCS	On the inventory or in compliance with the inventory
Philippines PICCS Taiwan TCSI	On the inventory, or in compliance with the inventoryOn the inventory, or in compliance with the inventory
China IECSC	: On the inventory, or in compliance with the inventory
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SECTION 16: Other information

NFPA Classification	: Health Hazard: 0 Fire Hazard: 1 Reactivity Hazard: 0	
Further information Legacy SDS Number	: 240370	

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 Chemicals	LOAEL	Lowest Observed Adverse Effe
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agenc
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupatio 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 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 Substar
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
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 on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act

Marlex® HHM 4903 Polyethylene

Version 1.9

Revision Date 2024-10-24

	New Chemical Substances		
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