

Version 1.8 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® 7104 Polyethylene

Material : 1059742, 1059806, 1059810, 1059814, 1059739, 1059824,

1059736, 1059820, 1059733, 1059575, 1059440, 1059453

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.

Airport Plaza (Stockholm Building)

Leonardo Da Vincilaan 19

1831 Diegem

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Belgium

SDS Requests: (800) 852-5530 Responsible Party: Product Safety Group Email:sds@cpchem.com

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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)

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

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)

Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Greece: (0030) 2107793777 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week)

Iceland: 543 2222 (24 hours/day, 7 days/week)

Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

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

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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

Responsible Department : Product Safety and Toxicology Group

E-mail address : SDS@CPChem.com 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

2.1

Classification of the substance or mixture REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients

3.1 - 3.2

Substance or Mixture

Hazardous ingredients

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]	Specific Conc. Limits, M-factors and ATEs
Polyethylene Hexene Copolymer	25213-02-9		99 - 100	

Contains no hazardous ingredients according to GHS. :

SECTION 4: First aid measures

4.1

Description of first-aid measures

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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 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.

4.2 Most important symptoms and effects, both acute and delayed

4.3 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 the substance or mixture

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.

5.3

Advice for firefighters

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.

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SECTION 6: Accidental release measures

6.1

Personal precautions, protective equipment and emergency procedures

Personal precautions : Sweep up to prevent slipping hazard. Avoid breathing dust.

Avoid dust formation.

6.2

Environmental precautions

Environmental precautions : Do not contaminate surface water. Prevent product from

entering drains.

6.3

Methods and materials for containment and cleaning up

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).

6.4

Reference to other sections

SECTION 7: Handling and storage

7.1

Precautions for safe handling 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

7.2

Conditions for safe storage, including any incompatibilities

hazard.

Storage

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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

Information on basic physical and chemical properties

Appearance

Form : Pellets
Physical state : solid
Color : Opaque
Odor : Mild to no odor
Odor Threshold : No data available

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Safety data

Flash point : No data available

Lower explosion limit : Not applicable

Upper explosion limit : Not applicable

: No data available Autoignition temperature

Thermal decomposition : Low molecular weight hydrocarbons, alcohols, aldehydes,

acids and ketones can be formed during thermal processing.

рΗ : 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-

: 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

SECTION 10: Stability and reactivity

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 reactions

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 information

11.1

Information on toxicological effects

Marlex® 7104 Polyethylene

Acute oral toxicity : Presumed Not Toxic

Marlex® 7104 Polyethylene

Acute inhalation toxicity : Presumed Not Toxic

Marlex® 7104 Polyethylene

Acute dermal toxicity : Presumed Not Toxic

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Skin irritation : No skin irritation

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Eye irritation : No eye irritation

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Sensitization : Did not cause sensitization on laboratory animals.

11.2

Information on other hazards

Marlex® 7104 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.

Endocrine disrupting

properties

SECTION 12: Ecological information

12.1

Toxicity

Ecotoxicity effects

12.2

Persistence and degradability

Biodegradability : This material is not expected to be readily biodegradable.

12.3

Bioaccumulative potential

Elimination information (persistence and degradability)

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 assessment

12.6

Endocrine disrupting properties

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.

12.8

Additional Information

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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))

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

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OF DANGEROUS GOODS BY INLAND WATERWAYS)

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

Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1

Safety, health and environmental regulations/legislation specific for the substance or mixture **National legislation**

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Water hazard class

(Germany)

: nwg not water endangering

15.2

Major Accident Hazard : 96/82/EC Update: 2003 Legislation Directive 96/82/EC does not apply

Notification status

This product is in full compliance according to REACH Europe REACH

regulation 1907/2006/EC.

Switzerland CH INV On the inventory, or in compliance with the inventory United States of America (USA) On the inventory, or in compliance with the inventory

TSCA

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 On the inventory, or in compliance with the inventory Japan ENCS Korea KECI A substance(s) in this product was not registered.

> 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).

Philippines PICCS On the inventory, or in compliance with the inventory Taiwan TCSI On the inventory, or in compliance with the inventory China IECSC On the inventory, or in compliance with the inventory

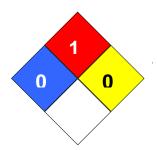
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SECTION 16: Other information

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 Government Industrial Hygienists AIIC Australian Inventory of Industrial Chemicals DSL Canada, Domestic Substances List NDSL Canada, Non-Domestic Substances List CNS Central Nervous System CAS Chemical Abstract Service EC50 Effective Concentration EGEST EOSCA Generic Exposure Scenario Tool EINECS European Inventory of Existing EINECS GHA Germany Maximum Concentration PRNT CHEMICA Substances MAK Germany Maximum Concentration CHEMICA Signal Tool CAS Chemical System COSHA Chemical Substances COSHA Chemical Several Health Administration EOSCA European Inventory of Existing Chemical Substances Chemical Chemical Substances Commercial Chemical Subst	Key or legend to abbreviations and acronyms used in the safety data sheet				
AlIC Australian Inventory of Industrial Chemicals DSL Canada, Domestic Substances List NFPA National Fire Protection Agency List NDSL Canada, Non-Domestic Substances List CNS Central Nervous System CAS Chemical Abstract Service EC50 Effective Concentration EGEST EOSCA Generic Exposure Scenario Tool EUropean Oilfield Specialty Chemical Substances EINECS European Inventory of Existing Chemical Substances MAK Germany Maximum Concentration GHS Globally Harmonized System RCRA International Agency for Research IECSC Inventory of Existing Chemical GHS International Agency for Research Inventory of Existing Chemical IECSC Inventory of Existing Chemical Substances ITWA Time Weighted Average		American Conference of			
Chemicals					
DSL Canada, Domestic Substances NFPA National Fire Protection Agency	AIIC		LOAEL		
List					
NDSL Canada, Non-Domestic Substances List NIOSH Safety & Health	DSL	*	NFPA	National Fire Protection Agency	
Substances List CNS Central Nervous System CAS Chemical Abstract Service CNS Chemical Abstract Service CNS Chemical Abstract Service CNS Chemical Abstract Service NZIoC New Zealand Inventory of Chemicals No Observable Adverse Effect Level EC50 Effective Concentration CNS EC50 Effective Concentration 50% EC50 Effective Concentration 50% NOEC No Observed Effect Concentration CNS Chemical Secretario Tool Chemical Secretario Tool Chemicals Association EINECS European Inventory of Existing Chemical Substances Chemical Substances CHAK Germany Maximum Concentration Values GHS Globally Harmonized System RCRA Resource Conservation Recovery Act Secretario Tool Chemical Substances RCRA Resource Conservation Recovery Act Secretario Than or Equal To Inhibition Concentration 50% SARA Superfund Amendments and Reauthorization Act. IARC International Agency for Research on Cancer IECSC Inventory of Existing Chemical Substances TWA Time Weighted Average	NDSI		NIOSH	National Institute for Occupational	
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 OSHA Occupational Safety & Health Administration EOSCA European Oilfield Specialty Chemicals Association EINECS European Inventory of Existing Chemical Substances MAK Germany Maximum Concentration PRNT 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 IECSC Inventory of Existing Chemical TWA Time Weighted Average	NDOL		NICOIT		
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Level	5050	F" " 0 + "	NOAEL		
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	EC50	Effective Concentration	NOAEL		
Scenario Tool	EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration	
Scenario Tool	EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health	
Chemicals Association EINECS European Inventory of Existing Chemical Substances MAK Germany Maximum Concentration Values 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 IECSC Inventory of Existing Chemical Substances in China Time Weighted Average					
Chemicals Association EINECS European Inventory of Existing Chemical Substances MAK Germany Maximum Concentration Values 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 IECSC Inventory of Existing Chemical Substances in China Time Weighted Average	EOSCA	European Oilfield Specialty	PEL	Permissible Exposure Limit	
Chemical Substances Commercial Chemical Substances				'	
Chemical Substances Commercial Chemical Substances	EINECS	European Inventory of Existing	PICCS	Philippines Inventory of	
Values Globally Harmonized System RCRA Resource Conservation Recovery Act					
Values Globally Harmonized System RCRA Resource Conservation Recovery Act	MAK	Germany Maximum Concentration	PRNT	Presumed Not Toxic	
Act					
Act	GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery	
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					
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	>=	Greater Than or Equal To	STEL	1 101	
IARC International Agency for Research on Cancer IECSC Inventory of Existing Chemical Substances in China Reauthorization Act. Threshold Limit Value Time Weighted Average	IC50		SARA		
on Cancer IECSC Inventory of Existing Chemical TWA Time Weighted Average Substances in China					
on Cancer IECSC Inventory of Existing Chemical TWA Time Weighted Average Substances in China	IARC	International Agency for Research	TLV	Threshold Limit Value	
Substances in China					
Substances in China	IECSC	Inventory of Existing Chemical	TWA	Time Weighted Average	
ENCS Japan, Inventory of Existing and TSCA Toxic Substance Control Act	ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act	

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Marlex® 7104 Polyethylene

Version 1.8 Revision Date 2024-10-24

	New Chemical Substances		
KECI	Korea, Existing Chemical	UVCB	Unknown or Variable Composition,
	Inventory		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

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