

## Marlex® 9503HF Polyethylene

Version 1.7

Revision Date 2024-10-23

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 Material

Marlex® 9503HF Polyethylene : 1038879, 1038880, 1038734, 1038876, 1038732, 1038663, 1038672, 1038665, 1038670, 1038875, 1040897, 1040898

#### **EC-No.Registration number**

| Chemical name | CAS-No.      | Legal Entity   |
|---------------|--------------|--|
|               | EC-No.       | Registration number  |
|               | Index No.    | 5  |
| Ethylene      | 74-85-1      |  |
|               | 200-815-3    | Chevron Phillips Chemical Company LP                                 |
|               | 601-010-00-3 | 01-2119462827-27-0004  |
| Ethylene      | 74-85-1      |  |
|               | 200-815-3    | Chevron Phillips Chemicals International NV                          |
|               | 601-010-00-3 | 01-2119462827-27-0271  |
| 1-Hexene      | 592-41-6     |  |
|               | 209-753-1    | Chevron Phillips Chemical Company LP<br>01-2119475505-34-0005        |
| 1-Hexene      | 592-41-6     |  |
|               | 209-753-1    | Chevron Phillips Chemicals International NV<br>01-2119475505-34-0021 |
| Oxirane       | 75-21-8      |  |
|               | 200-849-9    | Chevron Phillips Chemical Company LP                                 |
|               | 603-023-00-X | 01-2119432402-53-0434  |

Details of the supplier of the safety data sheet

| Company | : | Chevron Phillips Chemical Company LP<br>10001 Six Pines Drive<br>The Woodlands, TX 77280 |
|---------|---|--|
|         |   | The Woodlands, TX 77380  |

SDS Number:10000000611

<sup>1.3</sup> 

| Local : Chevron Phillips Chemicals International N.V.<br>Airport Plaza (Slockholm Building)<br>Leonardo Da Vincilaan 19<br>1831 Diegem<br>Belgium<br>SDS Requests: (800) 852-5530<br>Responsible Party: Product Safety Group<br>Email:sds@cpchem.com<br>4<br>Emergency telephone:<br>Health:<br>866.442.9628 (North America)<br>1.832 813.4984 (International)<br>Transport:<br>CHEMTREC 800.424.9300 or 703.527.3887(int!)<br>Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 05.000 er 703.527.3887(int!)<br>Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 05.000 er 703.527.3887(int!)<br>Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 05.000.621.9331 (24 hours)<br>South America SDS-Cotec Inside Brazil: 450.19.3467.1600<br>Argentina: +(64)-1159839431<br>EUROPE: BIG 4-32.14.584545 (phone) or +32.14583516 (telefax)<br>Austria: VIZ +431 406 43 43 (24 hours/day, 7 days/week)<br>Belgium: 3581 2348 342 (24 hours/day, 7 days/week)<br>Bulgara: +359 29154 233<br>Croatia: -3581 2348 24 (24 hours/day, 7 days/week)<br>Bulgara: +359 29154 233<br>Croatia: -3581 2348 24 (24 hours/day, 7 days/week)<br>Croprus: 1401<br>Creach Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402<br>Demmark: Danish Poison Center (Gifflinjen): +45 8212 1212<br>Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Financi: 0801 47 111 09 471 9777 (24 hours/day, 7 days/week)<br>Creace: (0030) 210779777 (24 hours/day, 7 days/week)<br>Celand: 543 2222 (24 hours/day, 7 days/week)<br>Iceland: 543 225 (250) CENTER ROME – Poicilanico Tapediaera Magendera 1-439 081 7472870;<br>POISON CENTER ROME – Azienda Ospedaliera Magendera 1-439 081 7472870;<br>POISON CENTER ROME – Azien | rsion 1.7  | Revision Date 2024-10-2   |
|--|--|---|
| Responsible Pariy: Product Safety Group<br>Email:sds@cpchem.com<br>4<br>Emergency telephone:<br>Health:<br>866.442.9628 (North America)<br>1.832.813.4984 (International)<br>Transport:<br>CHEMTREC 800.424.9300 or 703.527.3887(int!)<br>Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 9180.424.9300 or 703.527.3887(int!)<br>Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 01-800-681-9531 (24 hours)<br>South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600<br>Argentina: +(54)-1159839431<br>EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)<br>Belgium: 070 245 245 (24 hours/day, 7 days/week)<br>Bulgaria: +359 2 9154 233<br>Croatia: +3551 2348 342 (24 hours/day, 7 days/week)<br>Bulgaria: +359 2 9154 233<br>Croatia: *1351 2348 342 (24 hours/day, 7 days/week)<br>Cyptus: 1401<br>Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402<br>Demmark: Danish Poison Center (Gittlinie): +45 8212 1212<br>Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Finiand: 080 432.14.584545 (phone) or +32.14583516 (telefax)<br>Finiand: 080 432.14.584545 (phone) or +32.14583516 (telefax)<br>Finiand: 080 432.14.584545 (phone) or +32.14583516 (telefax)<br>Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Trai-39 06 3053433; POISON CENTER ROME – Policinico: "Agostino Germell", Servizio di tossicologia<br>clinica Tel. +39 06 3054343; POISON CENTER ROME – Osipedalera Niguarda Ca' Grande Tel. +39 02<br>66101029; POISON CENTER ROME – Policinico: "Agostino Germell", Servizio di tossicologia<br>clinica Tel. +39 06 3054343; POISON CENTER ROME – Policinico: "Agostino Germell", Servizio di tossicologia<br>clinica Tel. +39 06 3054343; POISON CENTER ROME – Policinico: "Umbertot Tel. +39 06847 8000<br>Tel +39 06 6859776; POISON CENTER ROME – Policinico: "Umbertot Tel. +39 068 1732236;<br>POISON CENTER RAPLA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326;<br>POISON CENTER RAPLA – Azienda Ospedaliera Universitari  | Local :  | Airport Plaza (Stockholm Building)<br>Leonardo Da Vincilaan 19<br>1831 Diegem   |
| Emergency telephone:<br>Health:<br>866.442.9628 (North America)<br>1.832.813.4984 (International)<br>Transport:<br>CHEMTREC 800.424.9300 or 703.527.3887(int'l)<br>Asia: CHEMWATCH (+612 9166 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 10.800.681-9531 (24 hours)<br>South America SOS-Coteo Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600<br>Argentina: +(64)-1159839431<br>EUROPE: BIG +322.14.584545 (phone) or +32.14583516 (telefax)<br>Austria: VIZ +431 406 43 43 (24 hours/day, 7 days/week)<br>Belgium: 070 245 245 (24 hours/day, 7 days/week)<br>Belgium: 070 245 245 (24 hours/day, 7 days/week)<br>Bulgaria: +359 2 9154 233<br>Croatia: +3851 2348 342 (24 hours/day, 7 days/week)<br>Cyprus: 1401<br>Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402<br>Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212<br>Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Finland: 0800 147 111 09 471 977 (24 hours/day)<br>France: ORFILA number (INRS): +33 (0) 145 42 59 59 (24 hours/day, 7 days/week)<br>Germary: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Hugary: +36-80-201.199 (24 hours/day, 7 days/week)<br>Iceland: 543 2222 (24 hours/day, 7 days/week)<br>Iceland: 543 0364343; POISON CENTER ROME – Policlinico "Agostino Gemelli", Servizio di tossicologia<br>dinica Tel. +39 06 68593726;POISON CENTER ROME – Policlinico "Umberto I" Tel. +39 084 732326;<br>POISON CENTER MILAN – Azienda Ospedaliera Universitaria Riuniti Tel. +39 084 732326;<br>POISON CENTER ROMCE – Azienda Ospedaliera Universitaria Riuniti Tel. +39 084 732326;<br>POISON CENTER ROMCE – Azienda Ospedaliera Universitaria Careggi Tel. +39 084 732326;<br>POISON CENTER RUPLES – Azienda Ospedaliera Universitaria Integrata Tel. 800 011<br>858;<br>Listia: POISON CENTER ROMA – Azienda Ospedaliera Universitaria Integrata Tel. 800 011<br>858;<br>Listia: State Fire and Rescue Service, phone numb   |  | Responsible Party: Product Safety Group   |
| Health:<br>866.442.9628 (North America)<br>1.332.813.4984 (International)<br>Transport:<br>CHEMTREC 800.424.9300 or 703.527.3887(int'l)<br>Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090<br>Mexico CHEMTREC 01-800-681-9531 (24 hours)<br>South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600<br>Argentina: +(54)-1159839431<br>EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)<br>Belgium: 070 245 245 (24 hours/day, 7 days/week)<br>Bulgaria: +3851 2348 342 (24 hours/day, 7 days/week)<br>Cyprus: 1401<br>Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402<br>Denmark: Danish Poison Centre (Gittling): +45 8212 1212<br>Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Finland: 0800 147 111 09 471 977 (24 hours/day)<br>France: ORFILA number (INRS): + 33 (0) 14 54 25 95 (24 hours/day, 7 days/week)<br>Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Finland: 0800 147 111 09 471 977 (24 hours/day)<br>France: ORFILA number (INRS): + 33 (0) 14 54 25 95 (52 hours/day, 7 days/week)<br>Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Greece: (0030) 2107793777 (24 hours/day, 7 days/week)<br>Iceland: 543 2222 (24 hours/day, 7 days/week)<br>Iceland: 543 2222 (24 hours/day, 7 days/week)<br>Iceland: 543 2222 (24 hours/day, 7 days/week)<br>Ireland: 080 0201-TP9 705ON CENTER ROME – Policinico "Agostino Gemeil", Servizi od i tossicologia<br>dinica Tel. +39 06 68593726;POISON CENTER ROME – Policinico "Jumberto" Tel. +39 06 4997 8000<br>POISON CENTER FLORENCE – Azienda Ospedaliera Universitaria Riumit Tel. +39 06 4997 8000<br>POISON CENTER ROME – Azienda Ospedaliera Universitaria Riumit Tel. +39 0681732236;<br>POISON CENTER ROME – Azienda Ospedaliera Universitaria Riumit Tel. +39 081 7472870;<br>POISON CENTER RUCRENCE – Azienda Ospedaliera Universitaria Riumit Tel. +39 058<br>300; POISON CENTER ROME – Azienda Ospedaliera Universitaria Riumit Tel. +39 058<br>300; POISON CENTER RUCRE – Azienda Ospedaliera Universitaria Riumit Tel   |  |   |
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# Marlex® 9503HF Polyethylene

| Ver        | sion 1.7  |  |  | Revis                  | sion Date 2024-10-23                            |
|------------|---|--|--|------------------------|---|
|            | Portugal: CIAV phon<br>Romania: +4021318<br>Slovakia: +421 2 547<br>Slovenia: Phone nun | e number: +35 <sup>°</sup><br>3606<br>77 4166<br>nber: 112<br>rgency Telepho<br>eek) | one Number of Spanish F  |                        | 34 91 562 04 20 (24                             |
|            | Responsible Departmer<br>E-mail address<br>Website                                      | : SDS  | uct Safety and Toxicolog<br>@CPChem.com<br>CPChem.com  | y Group                |   |
|            |   |  | Do not use this material i<br>body or permanent conta  |                        |   |
|            | human body or contact   | with internal bo<br>hillips Chemica  | lications involving brief o<br>dy fluids or tissues unles<br>I Company LP or its lega<br>ated use. | s the material ha      | as been provided                                |
|            | express warranty or imp   | olied warranty c   | P and its legal affiliates n<br>oncerning the suitability of<br>ternal body fluids or tissu        | of this material fo    |   |
| SEC        | TION 2: Hazards identi  | fication   |  |                        |   |
| 2.1        | Classification of the se<br>REGULATION (EC) No<br>Not a hazardous substa                | 1272/2008  | <b>ixture</b><br>according to Regulation   | (EC) No 1272/20        | 008.  |
| 2.2        | Labeling (REGULATIO<br>Not a hazardous substa   |  | <b>2/2008)</b><br>according to Regulation  | (EC) No 1272/20        | 008.  |
| SEC        | TION 3: Composition/i   | nformation on  | ingredients  |                        |   |
| 3.1<br>Sub | - 3.2<br>stance or Mixture<br>Hazardous ingredients                                     | 5  |  |                        |   |
|            | Chemical name   | CAS-No.<br>EC-No.<br>Index No.   | Classification<br>(REGULATION (EC)<br>No 1272/2008)  | Concentration<br>[wt%] | Specific Conc.<br>Limits, M-factors<br>and ATEs |
|            | Polyethylene Hexene<br>Copolymer  | 25213-02-9   |  | 99 - 100               |   |
|            | Contains no hazardous   | ingredients acc  | ording to GHS. :   |                        |   |
|            |   |  |  |                        |   |
| SDS        | 8 Number:100000000611   |  | 3/1  | 3                      |   |
|            |   |  |  |                        |   |

SAFETY DATA SHEET

Version 1.7

Revision Date 2024-10-23

**SECTION 4: First aid measures** 

#### 4.1

#### **Description of first-aid measures**

| If inhaled              | : | Move to fresh air in case of accidental inhalation of dust or<br>fumes from overheating or combustion. If symptoms persist,<br>call a physician.   |
|-------------------------|---|--|
| In case of skin contact | : | If the molten material gets on skin, quickly cool in water. Seek<br>immediate medical attention. Do not try to peel the solidified<br>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 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<br>media  | : | Water. Water mist. Dry chemical. Carbon dioxide (CO2).<br>Foam. If possible, water should be applied as a spray from a<br>fogging nozzle since this is a surface burning material. The<br>application of high velocity water will spread the burning<br>surface layer. Avoid the use of straight streams that may<br>create a dust cloud and the risk of a dust explosion. Use<br>extinguishing measures that are appropriate to local<br>circumstances and the surrounding environment. |
| 5.2 | <b>Special hazards arising from</b><br>Specific hazards during fire<br>fighting                            |   |  |
| 5.3 | <b>Advice for firefighters</b><br>Special protective<br>equipment for fire-fighters<br>Further information | : | Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.<br>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  |
| SDS | S Number:100000000611  |   | 4/13   |
|     |  |   |  |

|     |   | wlong  |
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| ver | rlex® 9503HF Polyeth<br>sion 1.7                          | Revision Date 2024-10-2  |
|     | products  | produce carbon monoxide, other hydrocarbons and<br>hydrocarbon oxidation products (ketones, aldehydes, organic<br>acids) depending on temperature and air availability.<br>Incomplete combustion can also produce formaldehyde.  |
| SEC | CTION 6: Accidental release mo                            | easures  |
| 5.1 | Personal precautions, protec                              | tive equipment and emergency procedures  |
| • • | Personal precautions :                                    | Sweep up to prevent slipping hazard. Avoid breathing dust.<br>Avoid dust formation.  |
| 5.2 | Environmental precautions                                 |  |
|     | Environmental precautions :                               | Do not contaminate surface water. Prevent product from entering drains.  |
| 6.3 | Methods and materials for co<br>Methods for cleaning up : |  |
|     | Additional advice :                                       | Dust deposits should not be allowed to accumulate on<br>surfaces, as these may form an explosive mixture if they are<br>released into the atmosphere in sufficient concentration. Avoid<br>dispersal of dust in the air (i.e., clearing dust surfaces with<br>compressed air).   |
| 6.4 | Reference to other sections                               |  |
| SEC | CTION 7: Handling and storage                             |  |
| 7.1 | Precautions for safe handling<br>Handling                 |  |
|     | Advice on safe handling :                                 | Use good housekeeping for safe handling of the product. Keep<br>out of water sources and sewers. Spilled pellets may create a<br>slipping hazard.<br>Electrostatic charge may accumulate and create a hazardous<br>condition when handling this material. To minimize this hazard,<br>bonding and grounding may be necessary, but may not by<br>themselves be sufficient. At elevated temperatures (>350°F,<br>>177°C), polyethylene can release vapors and gases, which<br>are irritating to the mucous membranes of the eyes, mouth,<br>throat, and lungs. These substances may include<br>acetaldehyde, acetone, acetic acid, formic acid, formaldehyde<br>and acrolein. Based on animal data and limited<br>epidemiological evidence, formaldehyde has been listed as a<br>carcinogen. Following all recommendations within this SDS |
|     |   | should minimize exposure to thermal processing emissions.  |
| 7.2 | Advice on protection :<br>against fire and explosion      |  |

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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

| Res         | spiratory protection :     | No respiratory protection is normally required. If heated<br>material generates vapor or fumes that are not adequately<br>controlled by ventilation, wear an appropriate respirator. Use<br>the following elements for air-purifying respirators: Organic<br>Vapor and Formaldehyde. A positive pressure, air-supplying<br>respirator may be appropriate if there is potential for<br>uncontrolled release, aerosolization, exposure levels are not<br>known, or other circumstances where air-purifying respirators<br>may not provide adequate protection.<br>Dust safety masks are recommended when the dust<br>concentration is excessive. |
|-------------|----------------------------|--|
| Eye         | e protection :             | Use of safety glasses with side shields for solid handling is<br>good industrial practice. If this material is heated, wear<br>chemical goggles or safety glasses with side shields or a face<br>shield. If there is potential for dust, use chemical goggles.   |
| Ski         | n and body protection :    | At ambient temperatures use of clean and protective clothing is<br>good industrial practice. If the material is heated or molten,<br>wear thermally insulated, heat-resistant gloves that are able to<br>withstand the temperature of the molten product. If this<br>material is heated, wear insulated clothing to prevent skin<br>contact if engineering controls or work practices are not<br>adequate.   |
| SECTIO      | N 9: Physical and chemical | properties   |
| 9.1<br>Infe | ormation on basic physical | and chemical properties  |
| Ар          | pearance                   |  |
| For         | rm :                       | Pellets  |
| SDS Nu      | Imber:100000000611         | 6/13   |

# Marlex® 9503HF Polyethylene

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|---|---|
| Physical state<br>Color<br>Odor<br>Odor Threshold | <ul> <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)  |
| Freezing point                                    | Not applicable  |
| Initial boiling point and boiling                 | : Not applicable  |
| range<br>Vapor pressure                           | : Not applicable  |
| Relative density                                  | : Not applicable  |
| Density   | : 0,91 - 0,97 g/cm3<br>Please refer to the Technical Data Sheet (TDS) for more<br>detailed information relating to the nominal physical<br>properties, including density, of this polyethylene resin grade. |
| Water solubility                                  | : negligible  |
| Partition coefficient: n-                         | : No data available   |
| octanol/water<br>Solubility in other solvents     | : No data available   |
| Viscosity, dynamic                                | : Not applicable  |
| Viscosity, kinematic                              | : Not applicable  |
| Relative vapor density                            | : Not applicable  |
| Evaporation rate                                  | : Not applicable  |

#### 10.1

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| Marlex® 9503HF Polyet                                   | SAFETY DATA SHEET  |
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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<br>Conditions to avoid                             | : Avoid prolonged storage at elevated temperature.   |
| 10.5<br>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<br>Hazardous decomposition<br>products             | : Normal combustion forms carbon dioxide, water vapor and<br>may produce carbon monoxide, other hydrocarbons and<br>hydrocarbon oxidation products (ketones, aldehydes, organic<br>acids) depending on temperature and air availability.<br>Incomplete combustion can also produce formaldehyde. |
| Other data  | : No decomposition if stored and applied as directed.  |
| SECTION 11: Toxicological inform                        | nation   |
| 11.1  |  |
| Information on toxicological                            | effects  |
| Marlex® 9503HF Polyethylen<br>Acute oral toxicity       |  |
| Marlex® 9503HF Polyethylen<br>Acute inhalation toxicity |  |
| Marlex® 9503HF Polyethylen<br>Acute dermal toxicity     |  |
| Marlex® 9503HF Polyethylen Skin irritation              | e<br>: No skin irritation  |
| Marlex® 9503HF Polyethylen<br>Eye irritation            | e<br>: No eye irritation   |
|   |  |

| Marlex® 9503HF Polyethy  | SAFETY DATA SHEET  |  |  |  |  |
|--|--|--|--|--|--|
| Version 1.7  | Revision Date 2024-10-23   |  |  |  |  |
| Marlex® 9503HF Polyethylene<br>Sensitization   | Did not cause sensitization on laboratory animals.   |  |  |  |  |
| 11.2<br>Information on other hazards   |  |  |  |  |  |
| Marlex® 9503HF Polyethylene<br>Further information   | This product contains POLYMERIZED OLEFINS. During<br>thermal processing (>350°F, >177°C) polyolefins can release<br>vapors and gases (aldehydes,ketones and organic acids)<br>which are irritating to the mucous membranes of the eyes,<br>mouth, throat, and lungs. Generally these irritant effects are all<br>transitory. However, prolonged exposure to irritating off-gases<br>can lead to pulmonary edema. Formaldehyde (an aldehyde)<br>has been classified as a carcinogen based on animal data and<br>limited epidemiological evidence. |  |  |  |  |
| Endocrine disrupting :<br>properties   |  |  |  |  |  |
| SECTION 12: Ecological informatio  | n  |  |  |  |  |
|  |  |  |  |  |  |
| 12.1<br>Toxicity   |  |  |  |  |  |
| Ecotoxicity effects  |  |  |  |  |  |
| 12.2<br>Persistence and degradability  |  |  |  |  |  |
| Biodegradability :   | This material is not expected to be readily biodegradable.   |  |  |  |  |
| 12.3<br>Bioaccumulative potential<br>Elimination information (persistence and degradability) |  |  |  |  |  |
| Bioaccumulation :  | Does not bioaccumulate.  |  |  |  |  |
| 12.4<br>Mobility in soil   |  |  |  |  |  |
| Mobility :   | The product is insoluble and floats on water.  |  |  |  |  |
| 12.5<br>Results of PBT and vPvB asse   | sement   |  |  |  |  |
| 12.6<br>Endocrine disrupting propertie   |  |  |  |  |  |
| Endocrine disrupting : properties  |  |  |  |  |  |
| 12.7<br>Other adverse effects  |  |  |  |  |  |
| Additional ecological :<br>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   | 0/10   |  |  |  |  |
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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 I                               |   |
| NOT REGULATED AS A HAZ<br>TRANSPORTATION BY THIS      | ZARDOUS MATERIAL OR DANGEROUS GOODS FOR<br>S AGENCY.  |
|   |   |
|   |   |
|   |   |
| Maritime transport in bulk acc                        | ording to IMO instruments   |
| ECTION 15: Regulatory informatic                      | วท  |
| 5.1   |   |
| Safety, nealth and environmen<br>National legislation | tal regulations/legislation specific for the substance or mixture   |
|   | 20/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of<br>the Council on the Registration, Evaluation, Authorisation and<br>H)           |
| Water hazard class :<br>(Germany)                     | nwg not water endangering   |
| 5.2   |   |
|   |   |
| Notification status                                   |   |
| Europe REACH  | <ul> <li>This mixture contains only ingredients which have been<br/>registered according to Regulation (EU) No. 1907/2006<br/>(REACH).</li> </ul> |
| Switzerland CH INV<br>United States of America (USA)  | <ul> <li>On the inventory, or in compliance with the inventory</li> <li>On or in compliance with the active portion of the</li> </ul>             |
| TSCA  | TSCA inventory  |
| Canada DSL  | : All components of this product are on the Canadian<br>DSL   |
| Australia AIIC  | : On the inventory, or in compliance with the inventory   |
| New Zealand NZIoC<br>Japan ENCS                       | <ul><li>On the inventory, or in compliance with the inventory</li><li>On the inventory, or in compliance with the inventory</li></ul>             |
| 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<br>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<br>Fire Hazard: 1<br>Reactivity Hazard: 0 |  |
|--|--|--|
| Further information<br>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<br>Chemicals       | LOAEL | Lowest Observed Adverse Effe                            |
| DSL    | Canada, Domestic Substances<br>List                   | NFPA  | National Fire Protection Agenc                          |
| NDSL   | Canada, Non-Domestic<br>Substances List               | NIOSH | National Institute for Occupation<br>Safety & Health    |
| CNS    | Central Nervous System                                | NTP   | National Toxicology Program                             |
| CAS    | Chemical Abstract Service                             | NZIoC | New Zealand Inventory of<br>Chemicals                   |
| EC50   | Effective Concentration                               | NOAEL | No Observable Adverse Effect<br>Level                   |
| EC50   | Effective Concentration 50%                           | NOEC  | No Observed Effect Concentra                            |
| EGEST  | EOSCA Generic Exposure<br>Scenario Tool               | OSHA  | Occupational Safety & Health<br>Administration          |
| EOSCA  | European Oilfield Specialty<br>Chemicals Association  | PEL   | Permissible Exposure Limit                              |
| EINECS | European Inventory of Existing<br>Chemical Substances | PICCS | Philippines Inventory of<br>Commercial Chemical Substar |
| MAK    | Germany Maximum Concentration<br>Values               | PRNT  | Presumed Not Toxic                                      |
| GHS    | Globally Harmonized System                            | RCRA  | Resource Conservation Recov<br>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<br>on Cancer        | TLV   | Threshold Limit Value                                   |
| IECSC  | Inventory of Existing Chemical<br>Substances in China | TWA   | Time Weighted Average                                   |
| ENCS   | Japan, Inventory of Existing and                      | TSCA  | Toxic Substance Control Act                             |

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|      | New Chemical Substances               |       |  |
|------|---------------------------------------|-------|--|
| KECI | Korea, Existing Chemical<br>Inventory | UVCB  | Unknown or Variable Composition,<br>Complex Reaction Products, and<br>Biological Materials |
| <=   | Less Than or Equal To                 | WHMIS | Workplace Hazardous Materials<br>Information System  |
| LC50 | Lethal Concentration 50%              | ATE   | Acute toxicity estimate  |