## SAFETY DATA SHEET



## Synfluid® PAO 10 cSt

Version 1.12

Revision Date 2023-04-03

according to GB/T 16483 and GB/T 17519

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

| Material : 1125444, 1079875, 1079675<br>Use : Synthetic Lubricants<br>Company : Chevron Phillips Chemical Company LP<br>10001 Six Pines Drive<br>The Woodlands, TX 77380  | Product information Product Name : Synfluid® PAO 10 cSt  |                        |  |  |  |  |
|---|--|------------------------|--|--|--|--|
| Company Chevron Phillips Chemical Company LP<br>10001 Six Pines Drive<br>The Woodlands, TX 77380<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'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>Belgium: 070 245 245 (24 hours/day, 7 days/week)<br>Belgium: 1070 245 245 (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) 1 45 42 59 59 (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: (0030) 2107793777 (24 hours/day, 7 days/week)<br>Hungary: +36-80-201-199 (24 hours/day, 7 days/week)<br>Hungary: +36-80-201-199 (24 hours/day, 7 days/week)<br>Hungary: +36-80-201-199 (24 hours/day, 7 days/week)<br>Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Hungary: +32-80-201-199 (24 hours/day, 7 days/week)<br>Hungary: +32-80-201-199 (24 hours/day, 7 days/week)<br>Hungary: +36-80-201-199 (24 hours/day, 7 days/week)<br>Hungary: Hig +32.14.584545 (phone) or +32.14583516 (telefax)<br>Htaly: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Htaly: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Htaly: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Htaly: |  |                        |  |  |  |  |
| 10001 Six Pines Drive<br>The Woodlands, TX 77380           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)           Gereace: (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)   | Use  | : Synthetic Lubricants |  |  |  |  |
| 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)         Iceland: 543 2222 (24 hours/day, 7 days/week)         Iceland: 543 2222 (24 hours/day, 7 days/week)         Iceland: 543 2222 (24 hours/day, 7 days/week) <t< td=""><td>Company</td><td>10001 Six Pines Drive</td></t<>   | Company  | 10001 Six Pines Drive  |  |  |  |  |
| 866.442.9628 (North America)<br>1.832.813.4984 (International)<br><b>Transport:</b><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: +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) 1 45 42 59 59 (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) 1 45 42 59 59 (24 hours/day, 7 days/week)<br>Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Finland: 0800 147 711 09 471 977 (24 hours/day)<br>France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)<br>Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Finland: 0800 147 71199 (24 hours/day, 7 days/week)<br>Hungary: +36-80-201-199 (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: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Italy: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic<br>Poisoning and Drug Information Center, Hipokrãta 2, Riga, Latvia, LV-1038, phone number +3   | Emergency telephone:   |                        |  |  |  |  |
|   | 866.442.9628 (North America)<br>1.832.813.4984 (International)<br><b>Transport:</b><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: +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) 1 45 42 59 59 (24 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>Hungary: +36-80-201-199 (24 hours/day, 7 days/week)<br>Hungary: +36-80-201-199 (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: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)<br>Irel315 BIG +32.14.584545 (phone) or +32.14583516 (telefax) |                        |  |  |  |  |

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Version 1.12 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 Responsible Department : Product Safety and Toxicology Group E-mail address : SDS@CPChem.com Website : www.CPChem.com **SECTION 2: Hazards identification** Classification of the substance or mixture GHS Classification and Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2011) **Emergency Overview** Physical state: liquid Color: Clear, Colorless Odor: Odorless Classification Not a hazardous substance or mixture. Labeling Not a hazardous substance or mixture. **SECTION 3: Composition/information on ingredients** Polyalphaolefin Synonyms PAO Molecular formula UVCB • Chemical name CAS-No. / EINECS-No. Concentration [wt%] 1-Decene Homopolymer Hydrogenated 68037-01-4 100 Contains no hazardous ingredients according to GHS. **SECTION 4: First aid measures** General advice : No hazards which require special first aid measures.

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| If inhaled                                      | :    | If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.                                     |
| In case of eye contact                          | :    | Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.   |
| If swallowed                                    | :    | Keep respiratory tract clear. Never give anything by mouth to<br>an unconscious person. If symptoms persist, call a physician.                 |
| TION 5: Firefighting measu                      | ires |  |
| Flash point                                     | :    | 271°C (520°F)  |
| Autoignition temperature                        | :    | 369°C (696°F)  |
| Suitable extinguishing media                    | :    | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.   |
| Special protective equipment for fire-fighters  | :    | Wear self-contained breathing apparatus for firefighting if necessary.   |
| Further information                             | :    | Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Fire and explosion protection                   | :    | Normal measures for preventive fire protection.  |
| Hazardous decomposition products                | :    | Carbon oxides.   |
| TION 6: Accidental release                      | me   | asures   |
| Personal precautions                            | :    | Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.     |
| Environmental precautions                       | :    | No special environmental precautions required.   |
| Methods for cleaning up                         | :    | Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.  |
| TION 7: Handling and stora                      | age  |  |
| Handling  |      |  |
| Advice on safe handling                         | :    | For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.                              |
| Advice on protection against fire and explosion | :    | Normal measures for preventive fire protection.  |
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#### Storage

| Requirements for storage areas and containers | : | Electrical installations / working materials must comply with the technological safety standards. |
|---|---|---|
| Advice on common storage                      | : | No materials to be especially mentioned.  |
| Use   | : | Synthetic Lubricants  |

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

#### Not applicable

#### **Engineering measures**

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. 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   | : | If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate.   |  |
|--------------------------|---|---|--|
| Hand protection          | : | The suitability for a specific workplace should be discussed<br>with the producers of the protective gloves. Please observe<br>the instructions regarding permeability and breakthrough time<br>which are provided by the supplier of the gloves. Also take into<br>consideration the specific local conditions under which the<br>product is used, such as the danger of cuts, abrasion, and the<br>contact time. Gloves should be discarded and replaced if there<br>is any indication of degradation or chemical breakthrough. |  |
| Eye protection           | : | Eye wash bottle with pure water. Tightly fitting safety goggles.  |  |
| Skin and body protection | : | Choose body protection according to the amount and concentration of the substance and the task performed at the work place. Appropriate PPE may include:. Lightweight protective clothing.  |  |
| Hygiene measures         | : | General industrial hygiene practice.  |  |

#### **SECTION 9: Physical and chemical properties**

| Appearance     |                     |
|----------------|---------------------|
| Physical state | : liquid            |
| Color          | : Clear, Colorless  |
| Odor           | : Odorless          |
| Odor Threshold | : No data available |

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| Possibility of hazardous re                | actions  |
| Chemical stability                         | : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| Reactivity                                 | : Stable at normal ambient temperature and pressure.   |
| CTION 10: Stability and react              | ivity  |
| Evaporation rate                           | : 3  |
| Relative vapor density                     | : 10<br>(Air = 1.0)  |
| Viscosity, kinematic                       | : 60.3 cSt<br>at 40°C (104°F)  |
| Partition coefficient: n-<br>octanol/water |  |
| Water solubility                           | : Soluble in hydrocarbon solvents; insoluble in water.   |
| Density                                    | : 0.835 g/cm3<br>at 15.6°C (60.1°F)  |
| Relative density                           | : 0.83<br>at 15.6 °C (60.1 °F)   |
| Vapor pressure                             | : 0.10 MMHG<br>at 232°C (450°F)  |
| Boiling point/boiling range                | : 430°C (806°F)  |
| рН   | : Not applicable   |
| Molecular weight                           | : Varies   |
| Molecular formula                          | : UVCB   |
| Autoignition temperature                   | : 369°C (696°F)  |
| Oxidizing properties                       | : no   |
| Upper explosion limit                      | : Not applicable   |
| Lower explosion limit                      | : Not applicable   |
| Flash point                                | : 271°C (520°F)  |

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| Hazardous reactions   | : Further information: Stable under recommended storage conditions., No hazards to be specially mentioned.  |
| Conditions to avoid   | : No data available.  |
| Materials to avoid<br>Hazardous decomposition<br>products     | <ul><li>No data available.</li><li>Carbon oxides</li></ul>  |
| Other data  | : No decomposition if stored and applied as directed.   |
| ECTION 11: Toxicological infor                                | mation  |
|   |   |
| Acute oral toxicity<br>1-Decene Homopolymer<br>Hydrogenated   | : LD50 Oral: > 5,000 mg/kg<br>Species: Rat  |
| Acute inhalation toxicity                                     |   |
| 1-Decene Homopolymer<br>Hydrogenated                          | : LC50: > 5.2 mg/l<br>Exposure time: 4 h<br>Species: Rat<br>Test atmosphere: dust/mist  |
| Acute dermal toxicity   |   |
| 1-Decene Homopolymer<br>Hydrogenated                          | : LD50: > 2,000 mg/kg<br>Species: Rabbit  |
| Skin irritation   |   |
| 1-Decene Homopolymer<br>Hydrogenated                          | : No skin irritation  |
| <b>Eye irritation</b><br>1-Decene Homopolymer<br>Hydrogenated | : No eye irritation   |
| Sensitization   |   |
| 1-Decene Homopolymer<br>Hydrogenated                          | : Did not cause sensitization on laboratory animals.  |
| Repeated dose toxicity  |   |
| 1-Decene Homopolymer<br>Hydrogenated                          | : Species: Rat<br>Application Route: Oral<br>Dose: 0, 8000, 20000, 50000 ppm<br>Exposure time: 28 day<br>Number of exposures: daily<br>NOEL: 6,245 mg/kg<br>Method: OECD Test Guideline 407 |
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### SECTION 12: Ecological information

| 1-Decene Homopolymer   | : LL50: > 1,000 mg/l   |
|--|--|
| Hydrogenated   | Exposure time: 96 h<br>Species: Oncorhynchus mykiss (rainbow trout)  |
| Toxicity to daphnia and other  | aquatic invertebrates  |
| 1-Decene Homopolymer<br>Hydrogenated   | <ul> <li>EL50: &gt; 1,000 mg/l</li> <li>Exposure time: 48 h</li> <li>Species: Daphnia magna (Water flea)</li> <li>static test Method: OECD Test Guideline 202</li> </ul> |
| Toxicity to algae  |  |
| 1-Decene Homopolymer<br>Hydrogenated   | <ul> <li>NOELR: 1,000 mg/l<br/>Exposure time: 72 h<br/>Species: Scenedesmus capricornutum (fresh water algae)<br/>static test Method: OECD Test Guideline 201</li> </ul> |
| Biodegradability   |  |
| 1-Decene Homopolymer<br>Hydrogenated   | : This material is not expected to be readily biodegradable.<br>Expected to be inherently biodegradable.   |
| Elimination information (persisted   | ence and degradability)  |
| Bioaccumulation  |  |
| 1-Decene Homopolymer<br>Hydrogenated   | : This material is not expected to bioaccumulate.  |
| Mobility   | : No data available  |
| Results of PBT assessment<br>1-Decene Homopolymer                                | : Non-classified PBT substance, Non-classified vPvB substance  |
| Hydrogenated<br>Additional ecological<br>information<br>Ecotoxicology Assessment | : No data available  |
| Short-term (acute) aquatic haza<br>1-Decene Homopolymer<br>Hydrogenated          | ard<br>: This material is not expected to be harmful to aquatic<br>organisms.  |
| Long-term (chronic) aquatic ha:<br>1-Decene Homopolymer<br>Hydrogenated          | zard<br>: This material is not expected to be harmful to aquatic<br>organisms.   |

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#### SECTION 13: Disposal considerations

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

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

Contaminated packaging

: Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### **SECTION 14: Transport information**

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

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

#### US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

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

#### IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

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

#### IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

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

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

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

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

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

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

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

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#### Maritime transport in bulk according to IMO instruments

#### **SECTION 15: Regulatory information**

|   | Notification status<br>Europe REACH<br>Switzerland CH INV<br>United States of America (USA)<br>TSCA<br>Canada DSL<br>Australia AIIC<br>New Zealand NZIoC<br>Japan ENCS<br>Korea KECI | : | This product is in full compliance according to REACH regulation 1907/2006/EC.<br>On the inventory, or in compliance with the inventory On or in compliance with the active portion of the TSCA inventory<br>All components of this product are on the Canadian DSL<br>On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory All substances in this product were registered, notified to be registered, or exempted from registration by CPChem through an Only Representative according to K-REACH regulations. Importation of this product is permitted if the Korean Importer of Record was included on CPChem's notifications or if the Importer of Record themselves notified the substances. |
|---|--|---|--|
| - | Philippines PICCS<br>Taiwan TCSI<br>China IECSC  | :                                       | On the inventory, or in compliance with the inventory<br>On the inventory, or in compliance with the inventory<br>On the inventory, or in compliance with the inventory  |

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

#### 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.

| ł              | Key or legend to abbreviations and acronyms used in the safety data sheet |       |                                     |  |  |  |  |  |
|----------------|---|-------|-------------------------------------|--|--|--|--|--|
| ACGIH          | American Conference of  | LD50  | Lethal Dose 50%                     |  |  |  |  |  |
|                | Government Industrial Hygienists  |       |                                     |  |  |  |  |  |
| AIIC           | Australian Inventory of Industrial  | LOAEL | Lowest Observed Adverse Effect      |  |  |  |  |  |
|                | Chemicals   |       | Level                               |  |  |  |  |  |
| DSL            | Canada, Domestic Substances   | NFPA  | National Fire Protection Agency     |  |  |  |  |  |
|                | List  |       |                                     |  |  |  |  |  |
| NDSL           | Canada, Non-Domestic  | NIOSH | National Institute for Occupational |  |  |  |  |  |
|                | Substances List   |       | Safety & Health                     |  |  |  |  |  |
| CNS            | Central Nervous System  | NTP   | National Toxicology Program         |  |  |  |  |  |
| CAS            | Chemical Abstract Service   | NZIoC | New Zealand Inventory of            |  |  |  |  |  |
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|        |   |       | Chemicals  |
|--------|---|-------|--|
| EC50   | Effective Concentration                                     | NOAEL | No Observable Adverse Effect<br>Level  |
| EC50   | Effective Concentration 50%                                 | NOEC  | No Observed Effect Concentration   |
| 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 Substances                                 |
| MAK    | Germany Maximum Concentration Values                        | PRNT  | Presumed Not Toxic   |
| GHS    | Globally Harmonized System                                  | RCRA  | Resource Conservation Recovery<br>Act  |
| >=     | Greater Than or Equal To                                    | STEL  | Short-term Exposure Limit  |
| IC50   | Inhibition Concentration 50%                                | SARA  | Superfund Amendments and<br>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<br>New Chemical Substances | TSCA  | Toxic Substance Control Act  |
| 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  |