

Synfluid[®] PAO 9 cSt

Version 1.17

Revision Date 2024-10-15

MSDS number: AA00974-0000000108

| Address : CHEVRON PHILLIPS CHEMICALS ASIA PTE. LTD. C/O DONG WOO CORPORATION #B-2601,JEONGJAIL-RO, BUNDANG-GU,SEONGNAMI-SI, GYEONGGI-DO,13557 SOUTH KOREA Telephone no.: +612-9186-1132 | TION 1: Identification of th | e substance/mixture and of the company/undertaking |
|---|--|--|
| product Restrictions on use : None known. Address : Chevron Phillips Chemical Company LP 10001 Six Pines Drive The Woodlands, TX 77380 Address : CHEVRON PHILLIPS CHEMICALS ASIA PTE. LTD. C/O DONG WOO CORPORATION #B-2601,JEONGJAIL-RO, BUNDANG-GU,SEONGNAMI-SI, GYEONGGI-DO,13557 SOUTH KOREA Telephone no.: +612-9186-1132 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: +55.19.3467.160 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) | | |
| Address : Chevron Phillips Chemical Company LP 10001 Six Pines Drive The Woodlands, TX 77380 Address : CHEVRON PHILLIPS CHEMICALS ASIA PTE. LTD. C/O DONG WOO CORPORATION #B-2601, JEONGJAIL-RO, BUNDANG-GU, SEONGNAMI-SI, GYEONGGI-DO, 13557 SOUTH KOREA Telephone no.: +612-9186-1132 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: +55.19.3467.160 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) | product | , |
| 10001 Six Pines Drive The Woodlands, TX 77380 Address : CHEVRON PHILLIPS CHEMICALS ASIA PTE. LTD. C/O DONG WOO CORPORATION #B-2601, JEONGJAIL-RO, BUNDANG-GU,SEONGNAMI-SI, GYEONGGI-DO,13557 SOUTH KOREA Telephone no.: +612-9186-1132 Emergency telephone: | Restrictions on use | : None known. |
| C/O DONG WOO CORPORATION #B-2601, JEONGJAIL-RO, BUNDANG-GU, SEONGNAMI-SI, GYEONGGI-DO, 13557 SOUTH KOREA Telephone no.: +612-9186-1132 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: +55.19.3467.160 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 | Address | 10001 Six Pines Drive |
| 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: +55.19.3467.160 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 | Address | C/O DONG WOO CORPORATION #B-2601,JEONGJAIL-RO, BUNDANG-GU,SEONGNAMI-SI, GYEONGGI-DO,13557 SOUTH KOREA |
| 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: +55.19.3467.160 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 | Emergency telephone: | |
| | 866.442.9628 (North Ame 1.832.813.4984 (Internati Transport : CHEMTREC 800.424.934 Asia: CHEMWATCH (+6 ⁻ Mexico CHEMTREC 01-8 South America SOS-Cote Argentina: +(54)-1159833 EUROPE: BIG +32.14.58 Austria: VIZ +43 1 406 43 Belgium: 070 245 245 (24 Bulgaria: +359 2 9154 23 | onal) 00 or 703.527.3887(int'l) 12 9186 1132) China: 0532 8388 9090 300-681-9531 (24 hours) ec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 9431 4545 (phone) or +32.14583516 (telefax) 3 43 (24 hours/day, 7 days/week) 4 hours/day, 7 days/week) 4 hours/day, 7 days/week) 3 |
| iber:100000014080 1/14 | ber:100000014080 | 1/14 |

Synfluid[®] PAO 9 cSt

Version 1.17

Revision Date 2024-10-15

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 Slovenia: Phone number: 112 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week) Sweden: 112 - ask for Poisons Information : Product Safety and Toxicology Group Responsible Department E-mail address SDS@CPChem.com Website www.CPChem.com Appointees 회사명: 리이치24시코리아㈜. 주소: 서울특별시 강남구 강남대로 94길 34,4층 전화: +82-02-6245-1610 **SECTION 2: Hazards identification** Hazard classification Number:100000014080 2/14

Synfluid[®] PAO 9 cSt

| Version 1.17 | Revision Date 2024-10-15 | | | |
|--|---|--|--|--|
| Standards for classification and labeling of chemical substances and material safety data sheet (ministry of employment and labor public notice No. 2020-130) | | | | |
| Classification | | | | |
| Not a hazardous substance or n | nixture. | | | |
| Warning label elements including precautionary statements | | | | |
| Not a hazardous substance or mixture. | | | | |
| Other hazards which do : not result in classification | None | | | |
| SECTION 3: Composition/information on ingredients | | | | |
| Synonyms : | PAO Polyalphaolefin | | | |
| Molecular formula : | UVCB | | | |
| SECTION 4: First aid measures | | | | |
| | | | | |
| General advice : | No hazards which require special first aid measures. | | | |
| In case of eye contact : | Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. | | | |
| If inhaled : | If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. | | | |
| If swallowed : | Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. | | | |
| Other cautions for Doctors | | | | |
| Symptoms : | No information available. | | | |
| Risks : | No information available. | | | |
| Treatment : | No information available. | | | |
| Number:100000014080 | 3/14 | | | |
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Version 1.17

| TION 5: Firefighting measu | | |
|--|-----|--|
| Flash point | : | 262-276°C (504-529°F) Method: Cleveland Open Cup |
| Autoignition temperature | : | 351°C (664°F) |
| Suitable extinguishing media | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Specific hazards during fire fighting | : | Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. |
| 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. |
| A ships an exatestice | : | Normal measures for preventive fire protection. |
| Advice on protection against fire and explosion | | |
| | | |

| | SAFETY DATA SHEET | | |
|--|--|--|--|
| Synfluid® PAO 9 cSt | | | |
| Version 1.17 | Revision Date 2024-10-15 | | |
| Requirements for storage areas and containers Uses advised against Advice on common storage Specific Use | Electrical installations / working materials must comply with the technological safety standards. None known. No materials to be especially mentioned. Synthetic Lubricants | | |
| | · | | |
| Chemical exposure standards, biological exposure standards, etc. 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. |
|-------------------------------------|-----|---|
| Eye protection | : | Eye wash bottle with pure water. Tightly fitting safety goggles. |
| Hand protection | : | The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. |
| 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 chem | ica | I properties |
| Information on basic physi | cal | and chemical properties |
| Appearance | | |
| Physical state Color | | : liquid : Colorless |
| Number:100000014080 | | 5/14 |
| | | |

Synfluid[®] PAO 9 cSt

Version 1.17

| umber:100000014080 | 6/14 |
|----------------------------------|--|
| Reactivity | : Stable at normal ambient temperature and pressure. |
| ECTION 10: Stability and reactiv | ity |
| 5 | |
| Molecular weight | Method: ASTM D 445 : Not applicable |
| Viscosity, kinematic | : 53 cSt at 40°C (104°F) |
| | No data available |
| Decomposition temperature | : No data available |
| Autoignition temperature | : 351°C (664°F) |
| Vapor density | : No data available |
| Density | : 6.87 - 6.96 L/G |
| Solubility | : Soluble in hydrocarbon solvents; insoluble in water. |
| Vapor pressure | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| | No data available |
| Flammability (solid, gas) | : No data available |
| Evaporation rate | : No data available |
| Flash point | : 262-276°C (504-529°F) Method: Cleveland Open Cup |
| Boiling point/boiling range | : >260°C (>500°F) |
| Melting point/freezing point | No data available |
| Pour point | : <-40°C (<-40°F) |
| рН | : Not applicable |
| Odor Threshold | : No data available |

Version 1.17

| Chemical stability | : No decomposition if stored and applied as directed. |
|--|---|
| | |
| Possibility of hazardous rea | actions |
| Hazardous reactions | : Further information: Stable under recommended storage conditions., No hazards to be specially mentioned. |
| Conditions to avoid | : No data available. |
| Materials to avoid | : No data available. |
| Thermal decomposition | : No data available |
| | No data available |
| Hazardous decomposition products | : Carbon oxides |
| Other data | : No decomposition if stored and applied as directed. |
| CTION 11: Toxicological infor | mation |
| Information on exposure ro | utes |
| Synfluid® PAO 9 cSt Acute oral toxicity | : LD50: > 5,000 mg/kg Species: Rat Information given is based on data obtained from similar substances. |
| Synfluid® PAO 9 cSt Acute inhalation toxicity | : LC50: > 5 mg/l Exposure time: 4 h Species: Rat Test atmosphere: dust/mist Information given is based on data obtained from similar substances. |
| Synfluid® PAO 9 cSt Acute dermal toxicity | : LD50: > 2,000 mg/kg Species: Rat Information given is based on data obtained from similar substances. |
| Synfluid® PAO 9 cSt | : No skin irritation Information given is based on data obtained from similar |
| Skin corrosion or irritation | substances. |

Synfluid[®] PAO 9 cSt

| version 1.17 | Version | 1.17 |
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| Synfluid® PAO 9 cSt Eye corrosion or irritation | : | No eye irritation Information given is based on data obtained from similar substances. |
|---|---|---|
| Synfluid® PAO 9 cSt Respiratory Sensitization | : | No data available |
| Synfluid® PAO 9 cSt Skin sensitization | | Did not cause sensitization on laboratory animals. |
| Synfluid® PAO 9 cSt Repeated dose toxicity | : | Species: Rat, Male and female Sex: Male and female Application Route: oral gavage Dose: 0, 1000 mg/kg/day Exposure time: 28 days NOEL: 1,000 mg/kg Method: OECD Test Guideline 407 Information given is based on data obtained from similar substances. |
| Synfluid® PAO 9 cSt Germ cell mutagenicity (in vitro) | : | Test Type: Ames test Result: negative Remarks: Information refers to the main ingredient. Test Type: Chromosome aberration test in vitro Result: negative Remarks: Information refers to the main ingredient. |
| Synfluid® PAO 9 cSt Germ cell mutagenicity (in vivo) | : | Test Type: Mouse micronucleus assay Result: negative Remarks: Information refers to the main ingredient. |
| Synfluid® PAO 9 cSt | | |
| Developmental Toxicity | : | Animal testing did not show any effects on fetal development. Information given is based on data obtained from similar substances. |
| Specific Target Organ Toxicity (Single Exposure) | | |
| Number:100000014080 | | 8/14 |
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Synfluid[®] PAO 9 cSt

Version 1.17

| Specific Target Organ Toxicity (Repeated Exposure) | Not classified due to data which are conclusive although insufficient for classification. Not classified due to data which are conclusive although insufficient for classification. Not classified due to data which are conclusive although |
|---|--|
| Toxicity (Repeated Exposure) | insufficient for classification. Not classified due to data which are conclusive although insufficient for classification. Not classified due to data which are conclusive although |
| Toxicity (Repeated Exposure) | Not classified due to data which are conclusive although |
| | |
| | insufficient for classification.Not classified due to data which are conclusive although insufficient for classification. |
| Synfluid® PAO 9 cSt Aspiration toxicity Toxicology Assessment | : No aspiration toxicity classification. |
| Synfluid® PAO 9 cSt CMR effects | Carcinogenicity: Contains no ingredient listed as a carcinogen Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity: No toxicity to reproduction |
| Synfluid® PAO 9 cSt Reproductive toxicity | : Animal testing did not show any effects on fertility. Information given is based on data obtained from similar substances. |
| Synfluid® PAO 9 cSt Further information | : No data available. |
| CTION 12: Ecological informa | tion |
| Ecological Toxicity | |
| Toxicity to fish | : Not a hazardous substance or mixture. Estimated based on individual component values. |
| Toxicity to daphnia and other aquatic invertebrates | : Not a hazardous substance or mixture. Estimated based on individual component values. |
| umber:100000014080 | 9/14 |

Synfluid[®] PAO 9 cSt

| rsion 1.17 | | Revision Date 2024-10 |
|--|--|--|
| Toxicity to algae | : | Not a hazardous substance or mixture. Estimated based on individual component values. |
| Persistence and degradabilityPersistence and degradability | : | Result: Expected to be inherently biodegradable. |
| Bioaccumulative | : | This material is not expected to bioaccumulate. |
| Mobility | : | No data available |
| Other adverse effects | : | No data available |
| Ecotoxicology Assessment | | |
| Short-term (acute) aquatic hazard | : | This material is not expected to be harmful to aquatic organisms. |
| Long-term (chronic) aquatic hazard | : | This material is not expected to be harmful to aquatic organisms. |
| CTION 13: Disposal consideration | atio | ns |
| The information in this SDS p | erta | ins only to the product as shipped. |
| may meet the criteria of a haz other State and local regulation regulated components may be | zard ons. e ne | pose or recycle if possible. This material, if it must be discarded, ous waste as defined by US EPA under RCRA (40 CFR 261) or Measurement of certain physical properties and analysis for ecessary to make a correct determination. If this material is federal law requires disposal at a licensed hazardous waste |
| Disposal precaution | : | Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| CTION 14: Transport information | tion | 1 |
| shipments in non-bulk pack Consult the appropriate dome Dangerous Goods Regulation technical name or names, etc agree with the bill of lading sh | cage estic ns fo c.) T nipp | wn here are for bulk shipments only, and may not apply to es (see regulatory definition). c or international mode-specific and quantity-specific or additional shipping description requirements (e.g., Therefore, the information shown here, may not always ing description for the material. Flashpoints for the en the SDS and the bill of lading. |

| UN Number | : | not regulated |
|-----------------------------|---|-----------------------------------|
| UN Product Shipping Name | : | Not regulated as a dangerous good |
| Hazard Class | : | |
| | | |

Number:100000014080

10/14

Version 1.17

Revision Date 2024-10-15

| Packing Group | : | Not applicable |
|---|---|-------------------|
| Marine Pollutant | : | Not applicable |
| Special Safety Measures on Mode of Transport | | No data available |

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.

Number:100000014080

11/14

Synfluid® PAO 9 cSt

Version 1.17

Revision Date 2024-10-15

| | Other information : | Not applicable | | | |
|---|---------------------|----------------|--|--|--|
| Maritime transport in bulk according to IMO instruments | | | | | |

SECTION 15: Regulatory information

National legislation

Regulation under the Occupational Safety and Health Act

A Material Safety Datasheet (MSDS) for this product is not required according to article 41 of the ISHA.

| Regulation | | Chemical name | Threshold limits |
|---|---|----------------|---------------------|
| Harmful Substances Prohibited from Manufacturing | : | Not applicable | |
| | | Not applicable | |
| Harmful Substances Required Permission for Manufacture | : | Not applicable | |
| | | Not applicable | |

| Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act | | | | |
|--|---|----------------|---------------------|--|
| Regulation | | Chemical name | Threshold limits | |
| Toxic Chemicals | | Not applicable | | |
| | | Not applicable | | |
| Prohibited Chemicals : N | | Not applicable | | |
| | | Not applicable | | |
| Restricted Chemicals | | Not applicable | | |
| | | Not applicable | | |
| Toxic Release Inventory | : | Not applicable | | |
| | | Not applicable | | |

Dangerous Substances Safety Management Act

Dangerous Substances : Not Applicable to Dangerous Materials Safety Management Act

Regulations by the Waste : Not applicable Management Act

Number:100000014080

12/14

Synfluid[®] PAO 9 cSt

Version 1.17

Revision Date 2024-10-15

| Europe REACH | | : This product is in full compliance according to REACH regulation 1907/2006/EC. |
|-------------------------------------|-----|--|
| United States of America (U TSCA | SA) | : On or in compliance with the active portion of the |
| Canada DSL | | TSCA inventory : All components of this product are on the Canadian |
| | | DSL |
| Other AICS | | : On the inventory, or in compliance with the inventory |
| New Zealand NZIoC Japan ENCS | | On the inventory, or in compliance with the inventoryOn the inventory, or in compliance with the inventory |
| Korea KECI | | 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 o Record themselves notified the substances. |
| Philippines PICCS | | : On the inventory, or in compliance with the inventory |
| China IECSC | | : On the inventory, or in compliance with the inventory |
| Taiwan TCSI | | : On the inventory, or in compliance with the inventory |
| Other regulations | | : No data available |
| TION 16: Other information | n | |
| Source of data | : | |
| Date of initial writing | : | 2021-02-01 |
| Revision number | : | 1 |
| Last revision date | : | 2024-10-15 |
| NFPA Classification | : | Health Hazard: 0 |
| | | Fire Hazard: 1 Reactivity Hazard: 0 |
| | | |

Other information

NSF H1, HX-1 Registered, meets USDA 1998 H1 Guidelines

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

Number:100000014080

Version 1.17

Revision Date 2024-10-15

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.

| ۴ | Key or legend to abbreviations and a | cronyms use | d in the safety data sheet |
|--------|---|-------------|--|
| ACGIH | American Conference of Government Industrial Hygienists | LD50 | Lethal Dose 50% |
| AIIC | Australian Inventory of Industrial Chemicals | LOAEL | Lowest Observed Adverse Effect Level |
| DSL | Canada, Domestic Substances List | NFPA | National Fire Protection Agency |
| NDSL | Canada, Non-Domestic Substances List | NIOSH | National Institute for Occupational Safety & Health |
| CNS | Central Nervous System | NTP | National Toxicology Program |
| CAS | Chemical Abstract Service | NZIoC | New Zealand Inventory of Chemicals |
| EC50 | Effective Concentration | NOAEL | No Observable Adverse Effect Level |
| EC50 | Effective Concentration 50% | NOEC | No Observed Effect Concentration |
| 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 |
| ENCS | Japan, Inventory of Existing and New Chemical Substances | TSCA | Toxic Substance Control Act |
| KECI | Korea, Existing Chemical Inventory | UVCB | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <= | Less Than or Equal To | WHMIS | Workplace Hazardous Materials Information System |
| LC50 | Lethal Concentration 50% | ATE | Acute toxicity estimate |

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