

# Synfluid® Light Oligomers

Version 1.9

Revision Date 2023-11-29

| Product information<br>Product Name<br>Material   | <ul> <li>Synfluid® Light Oligomers</li> <li>1112350</li> <li>Chevron Phillips Chemical Company LP</li> </ul>  |
|---|---|
| Material  | <ul> <li>: 1112350</li> <li>: Chevron Phillips Chemical Company LP</li> </ul>   |
| Company   |   |
|   | 10001 Six Pines Drive<br>The Woodlands, TX 77380  |
| Emergency telephone:  |   |
| Asia: CHEMWATCH (<br>Mexico CHEMTREC (<br>South America SOS-(<br>Argentina: +(54)-1159<br>EUROPE: BIG +32.14<br>Austria: VIZ +43 1 400<br>Belgium: 070 245 245<br>Bulgaria: +359 2 9154<br>Croatia: +3851 2348 3<br>Cyprus: 1401<br>Czech Republic: Toxic<br>Denmark: Danish Pois<br>Estonia: BIG +32.14.5<br>Finland: 0800 147 11<br>France: ORFILA num<br>Germany: BIG +32.14<br>Greece: (0030) 21077<br>Hungary: +36-80-2014<br>Iceland: 543 2222 (24<br>Ireland: BIG +32.14.5 | national)<br>4.9300 or 703.527.3887(int'l)<br>(+612 9186 1132) China: 0532 8388 9090<br>01-800-681-9531 (24 hours)<br>Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600<br>9839431<br>4.584545 (phone) or +32.14583516 (telefax)<br>6 43 43 (24 hours/day, 7 days/week)<br>5 (24 hours/day, 7 days/week) |

| ynfluid® Light Oligo   | SAFETY DATA SHEE<br>mers   |
|--|--|
| ersion 1.9   | Revision Date 2023-11-2  |
| Malta: +356 2395 2000<br>The Netherlands: NVIC:<br>Norway: 22 59 13 00 (24<br>Poland: BIG +32.14.5845<br>Portugal: CIAV phone nu<br>Romania: +40213183606<br>Slovakia: +421 2 5477 4<br>Slovenia: Phone number | hours/day, 7 days/week)<br>545 (phone) or +32.14583516 (telefax)<br>mber: +351 800 250 250<br>5<br>166<br>: 112<br>cy Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24  |
| Responsible Department<br>E-mail address<br>Website  | <ul> <li>Product Safety and Toxicology Group</li> <li>SDS@CPChem.com</li> <li>www.CPChem.com</li> </ul>  |
| ECTION 2: Hazards identification   | tion   |
|  | <ul> <li>ified in accordance with the hazard communication standard 29 CFR bels contain all the information as required by the standard.</li> <li>Flammable liquids, Category 4 Aspiration hazard, Category 1</li> </ul>   |
| Labeling   |  |
| Symbol(s)  |  |
| Signal Word  | : Danger   |
| Hazard Statements  | : H227: Combustible liquid.<br>H304: May be fatal if swallowed and enters airways.   |
| Precautionary Statements   | <ul> <li>Prevention:</li> <li>P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.</li> <li>P280 Wear protective gloves/ eye protection/ face protection.</li> <li>Response:</li> <li>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</li> <li>P331 Do NOT induce vomiting.</li> <li>P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.</li> <li>Storage:</li> <li>P403 + P235 Store in a well-ventilated place. Keep cool.</li> <li>P405 Store locked up.</li> <li>Disposal:</li> <li>P501 Dispose of contents/ container to an approved waste disposal plant.</li> </ul> |
|  |  |
| DS Number:100000101425   | 2/13   |

|   | ners   |   |  |
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| ion 1.9   |  |   | Revision Date 2023-1   |
| Carcinogenicity:  |  |   |  |
| IARC  | Group  | 2B: Possibly carcino  | genic to humans  |
|   | Ethylbe  | •   | 100-41-4   |
| NTP   | No ing   | redient of this produc<br>o 0.1% is identified a  | t present at levels greater than or<br>s a known or anticipated carcinogen   |
| TION 3: Composition/inforr  | mation on  | ingredients   |  |
| Molecular formula   | : UVC  | В   |  |
| Component   |  | CAS-No.   | Weight %   |
| Hexadecene, Branched  |  | 182636-01-7   | 40 - 90  |
| 1-Octene Homopolymer  |  | 25068-25-1  | 15 - 35  |
| Hexadecane, Branched  |  | 362520-79-4   | 0 - 5  |
| n-Octane  |  | 111-65-9  | 0 - 2  |
| Octenes   |  | 25377-83-7  | 0 - 2  |
| Ethylbenzene  |  | 100-41-4  | 0 - 0.1  |
| General advice  |  |   | ea. Show this material safety data   |
| General advice<br>If inhaled<br>In case of skin contact<br>In case of eye contact<br>If swallowed   | <ul> <li>shee serio</li> <li>If und advic</li> <li>If skii with v</li> <li>Flush lense rinsin</li> <li>Keep give mout</li> </ul>                           | t to the doctor in atte<br>us, potentially fatal p<br>conscious, place in re-<br>ce. If symptoms pers<br>n irritation persists, co-<br>water. If on clothes,<br>n eyes with water as<br>es. Protect unharmed<br>ag. If eye irritation per<br>prespiratory tract clear<br>milk or alcoholic bever<br>h to an unconscious   | ndance. Material may produce a<br>neumonia if swallowed or vomited.<br>ecovery position and seek medical<br>ist, call a physician.<br>all a physician. If on skin, rinse well<br>remove clothes.<br>a precaution. Remove contact<br>d eye. Keep eye wide open while<br>ersists, consult a specialist.  |
| If inhaled<br>In case of skin contact<br>In case of eye contact<br>If swallowed   | shee<br>serio<br>: If und<br>advid<br>: If skii<br>with<br>: Flush<br>lense<br>rinsin<br>: Keep<br>give<br>mout<br>physi                                   | t to the doctor in atte<br>us, potentially fatal p<br>conscious, place in re-<br>ce. If symptoms pers<br>n irritation persists, co-<br>water. If on clothes,<br>n eyes with water as<br>es. Protect unharmed<br>ag. If eye irritation per<br>prespiratory tract clear<br>milk or alcoholic bever<br>h to an unconscious   | ndance. Material may produce a<br>neumonia if swallowed or vomited.<br>ecovery position and seek medical<br>ist, call a physician.<br>all a physician. If on skin, rinse well<br>remove clothes.<br>a precaution. Remove contact<br>d eye. Keep eye wide open while<br>ersists, consult a specialist.<br>ar. Do NOT induce vomiting. Do not<br>erages. Never give anything by<br>person. If symptoms persist, call a |
| If inhaled<br>In case of skin contact<br>In case of eye contact   | shee<br>serio<br>: If und<br>advid<br>: If skii<br>with<br>: Flush<br>lense<br>rinsin<br>: Keep<br>give<br>mout<br>physi                                   | t to the doctor in atte<br>us, potentially fatal p<br>conscious, place in re-<br>ce. If symptoms pers<br>n irritation persists, co-<br>water. If on clothes,<br>n eyes with water as<br>es. Protect unharmed<br>ag. If eye irritation per<br>prespiratory tract clear<br>milk or alcoholic bever<br>h to an unconscious   | ndance. Material may produce a<br>neumonia if swallowed or vomited.<br>ecovery position and seek medical<br>ist, call a physician.<br>all a physician. If on skin, rinse well<br>remove clothes.<br>a precaution. Remove contact<br>d eye. Keep eye wide open while<br>ersists, consult a specialist.<br>ar. Do NOT induce vomiting. Do not<br>erages. Never give anything by<br>person. If symptoms persist, call a |
| If inhaled<br>In case of skin contact<br>In case of eye contact<br>If swallowed<br>TION 5: Firefighting measu   | shee<br>serio<br>: If und<br>advid<br>: If skii<br>with<br>: Flush<br>lense<br>rinsin<br>: Keep<br>give<br>mout<br>physi<br>:<br>: 69-1                    | t to the doctor in atte<br>us, potentially fatal p<br>conscious, place in re-<br>ce. If symptoms pers<br>in irritation persists, co-<br>water. If on clothes,<br>meyes with water as<br>es. Protect unharmed<br>ag. If eye irritation per<br>prespiratory tract clear<br>milk or alcoholic bever<br>h to an unconscious<br>ician. Take victim im  | ndance. Material may produce a<br>neumonia if swallowed or vomited.<br>ecovery position and seek medical<br>ist, call a physician.<br>all a physician. If on skin, rinse well<br>remove clothes.<br>a precaution. Remove contact<br>d eye. Keep eye wide open while<br>ersists, consult a specialist.<br>ar. Do NOT induce vomiting. Do not<br>erages. Never give anything by<br>person. If symptoms persist, call a |
| If inhaled<br>In case of skin contact<br>In case of eye contact<br>If swallowed<br>TION 5: Firefighting measu<br>Flash point<br>Suitable extinguishing                                      | shee<br>serio<br>: If und<br>advid<br>: If skii<br>with<br>: Flush<br>lense<br>rinsin<br>: Keep<br>give<br>mout<br>physi<br><b>res</b><br>: 69-1<br>: Carb | t to the doctor in atte<br>us, potentially fatal p<br>conscious, place in re-<br>ce. If symptoms pers<br>n irritation persists, ca-<br>water. If on clothes,<br>n eyes with water as<br>es. Protect unharmed<br>or espiratory tract clear<br>milk or alcoholic beven<br>h to an unconscious<br>ician. Take victim im<br>34°C (156-273°F)  | ndance. Material may produce a<br>neumonia if swallowed or vomited.<br>ecovery position and seek medical<br>ist, call a physician.<br>all a physician. If on skin, rinse well<br>remove clothes.<br>a precaution. Remove contact<br>d eye. Keep eye wide open while<br>ersists, consult a specialist.<br>ar. Do NOT induce vomiting. Do not<br>erages. Never give anything by<br>person. If symptoms persist, call a |
| If inhaled<br>In case of skin contact<br>In case of eye contact<br>If swallowed<br>TION 5: Firefighting measu<br>Flash point<br>Suitable extinguishing<br>media<br>Unsuitable extinguishing | shee<br>serio<br>: If und<br>advid<br>: If skii<br>with<br>: Flush<br>lense<br>rinsin<br>: Keep<br>give<br>mout<br>physi<br>: 69-1<br>: Carb<br>: High     | t to the doctor in atter<br>us, potentially fatal p<br>conscious, place in re-<br>ce. If symptoms person<br>in irritation persists, ca-<br>water. If on clothes,<br>meyes with water as a<br>se. Protect unharmed<br>and if eye irritation per<br>perspiratory tract clear<br>milk or alcoholic bever<br>h to an unconscious<br>ician. Take victim im<br>34°C (156-273°F)<br>on dioxide (CO2).<br>volume water jet. | ndance. Material may produce a<br>neumonia if swallowed or vomited.<br>ecovery position and seek medical<br>ist, call a physician.<br>all a physician. If on skin, rinse well<br>remove clothes.<br>a precaution. Remove contact<br>d eye. Keep eye wide open while<br>ersists, consult a specialist.<br>ar. Do NOT induce vomiting. Do not<br>erages. Never give anything by<br>person. If symptoms persist, call a |

| nfluid® Light Oligor                            | SAFETY DA   | ATA SHE                |
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| sion 1.9  | Revision Date   | <u>2023-11</u>         |
| Special protective equipment for fire-fighters  | : Wear self-contained breathing apparatus for firefighting necessary.   | if                     |
| Further information                             | Collect contaminated fire extinguishing water separately<br>must not be discharged into drains. Fire residues and<br>contaminated fire extinguishing water must be disposed<br>accordance with local regulations. For safety reasons in<br>of fire, cans should be stored separately in closed<br>containments. Use a water spray to cool fully closed<br>containers. | l of in                |
| Fire and explosion protection                   | <ul> <li>Do not spray on a naked flame or any incandescent ma<br/>Keep away from open flames, hot surfaces and sources<br/>ignition.</li> </ul>   |                        |
| CTION 6: Accidental release                     | easures   |                        |
| Personal precautions                            | : Use personal protective equipment. Ensure adequate ventilation.   |                        |
| Environmental precautions                       | Prevent product from entering drains. Prevent further le<br>or spillage if safe to do so. If the product contaminates<br>and lakes or drains inform respective authorities.   |                        |
| Methods for cleaning up                         | Contain spillage, and then collect with non-combustible<br>absorbent material, (e.g. sand, earth, diatomaceous ear<br>vermiculite) and place in container for disposal accordir<br>local / national regulations (see section 13). Keep in su<br>closed containers for disposal.   | ig to                  |
| CTION 7: Handling and stora                     | 9   |                        |
| Handling  |   |                        |
| Advice on safe handling                         | Avoid formation of aerosol. Do not breathe vapors/dust<br>contact with skin and eyes. For personal protection see<br>section 8. Smoking, eating and drinking should be proh<br>in the application area. Provide sufficient air exchange<br>exhaust in work rooms. Dispose of rinse water in accor<br>with local and national regulations.                             | e<br>nibited<br>and/or |
| Advice on protection against fire and explosion | <ul> <li>Do not spray on a naked flame or any incandescent ma<br/>Keep away from open flames, hot surfaces and sources<br/>ignition.</li> </ul>   |                        |
| Storage   |   |                        |
| Requirements for storage areas and containers   | No smoking. Keep in a well-ventilated place. Containe<br>which are opened must be carefully resealed and kept of<br>to prevent leakage. Observe label precautions. Electric<br>installations / working materials must comply with the<br>technological safety standards.  | upright                |
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## Synfluid® Light Oligomers

Version 1.9

Revision Date 2023-11-29

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

#### Ingredients with workplace control parameters

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|--------------|------------|-------|----------------------|------|
| Components   | Basis      | Value | Control parameters   | Note |
| 1-Octene     | US WEEL    | TWA   | 75 ppm,              |      |
| n-Octane     | OSHA Z-1   | TWA   | 500 ppm, 2,350 mg/m3 |      |
|              | OSHA Z-1-A | TWA   | 300 ppm, 1,450 mg/m3 |      |
|              | OSHA Z-1-A | STEL  | 375 ppm, 1,800 mg/m3 |      |
|              | ACGIH      | TWA   | 300 ppm,             |      |
| Ethylbenzene | OSHA Z-1   | TWA   | 100 ppm, 435 mg/m3   |      |
|              | OSHA Z-1-A | TWA   | 100 ppm, 435 mg/m3   |      |
|              | OSHA Z-1-A | STEL  | 125 ppm, 545 mg/m3   |      |
|              | ACGIH      | TWA   | 20 ppm.              | A3.  |

A3 Confirmed animal carcinogen with unknown relevance to humans

### Immediately Dangerous to Life or Health Concentrations (IDLH)

| Substance name | CAS-No.  | Control parameters   | Update     |
|----------------|----------|--|------------|
| n-Octane       | 111-65-9 | Immediately Dangerous to Life or Health<br>Concentration Value<br>1000 parts per million | 1995-03-01 |
| Ethylbenzene   | 100-41-4 | Immediately Dangerous to Life or Health<br>Concentration Value<br>800 parts per million  | 1995-03-01 |

### **Biological exposure indices**

US

| Substance name | CAS-No.  | Control parameters  | Sampling time   | Update     |
|----------------|----------|---|---|------------|
| Ethylbenzene   | 100-41-4 | Sum of mandelic acid and phenyl<br>glyoxylic acid: 0.15 g/g creatinine<br>Nonspecific (Urine) | End of shift (As<br>soon as possible<br>after exposure<br>ceases) | 2016-03-01 |

## 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. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as:. Full-Face Air-Purifying Respirator for Organic Vapors, Dusts and Mists. A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

| Hand protection         | : | The suitability for a specific workplace should be discussed |
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| SDS Number:100000101425 |   | 5/13   |
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| nfluid® Light Oligo             | mei   | SAFETY DATA SHEI  |
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| rsion 1.9                       |       | Revision Date 2023-11-  |
|                                 |       | 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 in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Flame retardant protective clothing. Footwear protecting against chemicals.  |
| Hygiene measures                | :     | When using do not eat or drink. When using do not smoke.<br>Wash hands before breaks and at the end of workday.   |
| CTION 9: Physical and chem      | nical | properties  |
| Information on basic phys       | ical  | and chemical properties   |
| Appearance                      |       |   |
| Form<br>Physical state<br>Color | :     | liquid<br>liquid<br>No data available   |
| Safety data                     |       |   |
| Flash point                     | :     | 69-134°C (156-273°F)  |
| Lower explosion limit           | :     | No data available   |
| Upper explosion limit           | :     | No data available   |
| Molecular formula               | :     | UVCB  |
| Molecular weight                | :     | No data available   |
| рН                              | :     | Not applicable  |
| Freezing point                  | :     | No data available   |
| Melting point/range             |       | No data available   |
| Pour point                      |       | -46°C (-51°F)   |
| Boiling point/boiling range     | :     | No data available   |
| Vapor pressure                  | :     | No data available   |
| Density                         | :     | No data available   |
| Water solubility                | :     | Insoluble   |
| Solubility in other solvents    | :     | Soluble in hydrocarbon and non-polar organic solvents   |
| S Number:100000101425           |       | 6/13  |

Version 1.9

|  | ivity   |
|--|---|
| Reactivity   | : Stable at normal ambient temperature and pressure.  |
| Chemical stability   | : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  |
| Possibility of hazardous rea   | actions   |
| Hazardous reactions  | : Further information: No decomposition if stored and applied as directed.  |
|  | Hazardous reactions: Vapors may form explosive mixture with air.  |
| Conditions to avoid  | : Heat, flames and sparks.  |
| Other data   | : No decomposition if stored and applied as directed.   |
| TION 11: Toxicological infor   | mation  |
|  |   |
| Synfluid® Light Oligomers<br>Acute oral toxicity   | : LD50 Oral: > 5,000 mg/kg<br>Species: Rat<br>Method: Acute toxicity estimate   |
|  | Species: Rat  |
| Acute oral toxicity Synfluid® Light Oligomers  | Species: Rat<br>Method: Acute toxicity estimate<br>: LC50: > 40 mg/l<br>Exposure time: 4 h<br>Species: Rat<br>Test atmosphere: vapor  |
| Acute oral toxicity<br>Synfluid® Light Oligomers<br>Acute inhalation toxicity<br>Synfluid® Light Oligomers   | <ul> <li>Species: Rat<br/>Method: Acute toxicity estimate</li> <li>: LC50: &gt; 40 mg/l<br/>Exposure time: 4 h<br/>Species: Rat<br/>Test atmosphere: vapor<br/>Method: Acute toxicity estimate</li> <li>: LD50 Dermal: &gt; 5,000 mg/kg<br/>Species: Rabbit</li> </ul>  |
| Acute oral toxicity<br>Synfluid® Light Oligomers<br>Acute inhalation toxicity<br>Synfluid® Light Oligomers<br>Acute dermal toxicity<br>Synfluid® Light Oligomers | <ul> <li>Species: Rat<br/>Method: Acute toxicity estimate</li> <li>: LC50: &gt; 40 mg/l<br/>Exposure time: 4 h<br/>Species: Rat<br/>Test atmosphere: vapor<br/>Method: Acute toxicity estimate</li> <li>: LD50 Dermal: &gt; 5,000 mg/kg<br/>Species: Rabbit<br/>Method: Acute toxicity estimate</li> <li>: Repeated or prolonged contact with the mixture may cause<br/>removal of natural fat from the skin resulting in desiccation of</li> </ul> |

Version 1.9

Revision Date 2023-11-29

| Synfluid® Light Oligomers<br>Sensitization   | : Contains no substance or substances classified as sensitizing.   |
|--|--|
| Synfluid® Light Oligomers<br>Repeated dose toxicity  | : No data available  |
| Synfluid® Light Oligomers<br>Genotoxicity in vitro   | : Remarks: No data available   |
| Synfluid® Light Oligomers<br>Genotoxicity in vivo  | : Remarks: No data available   |
| Synfluid® Light Oligomers<br>Aspiration toxicity   | : If swallowed or vomited, material may be aspirated into the lungs and cause chemical pneumonitis or pulmonary edema.   |
| CMR effects  |  |
| Ethylbenzene   | <ul> <li>Carcinogenicity: Weight of evidence does not support<br/>classification as a carcinogen<br/>Mutagenicity: In vivo tests did not show mutagenic effects<br/>Teratogenicity: Did not show teratogenic effects in animal<br/>experiments.</li> <li>Reproductive toxicity: No toxicity to reproduction</li> </ul> |
| Synfluid® Light Oligomers<br>Further information   | : Solvents may degrease the skin.  |
|  |  |
| ECTION 12: Ecological informa  |  |
| ECTION 12: Ecological informa  |  |
| ECTION 12: Ecological informa  |  |
|  |  |
| Ecotoxicity effects  | tion   |
| Ecotoxicity effects<br>Toxicity to fish<br>Toxicity to daphnia and   | tion : No data available   |
| Ecotoxicity effects<br>Toxicity to fish<br>Toxicity to daphnia and<br>other aquatic invertebrates<br>Toxicity to algae                                 | tion  : No data available : No data available  |
| Ecotoxicity effects<br>Toxicity to fish<br>Toxicity to daphnia and<br>other aquatic invertebrates<br>Toxicity to algae                                 | tion    No data available  No data available  No data available  |
| Ecotoxicity effects<br>Toxicity to fish<br>Toxicity to daphnia and<br>other aquatic invertebrates<br>Toxicity to algae<br>Toxicity to daphnia and othe | tion  No data available  No data available  No data available  No data available  r aquatic invertebrates (Chronic toxicity)  NOEC: 1 mg/l Exposure time: 7 d Species: Daphnia pulex (Water flea) semi-static test   |

| Elimination information (persis   | tence and degradability)   |
|---|--|
| Bioaccumulation   | : No data available  |
| Mobility  | : No data available  |
| Results of PBT assessment n-Octane  | : This substance is not considered to be persistent,<br>bioaccumulating and toxic (PBT)., This substance is not<br>considered to be very persistent and very bioaccumulating<br>(vPvB).  |
| Ethylbenzene  | : Non-classified vPvB substance, Non-classified PBT substance  |
| Additional ecological information   | : An environmental hazard cannot be excluded in the event of<br>unprofessional handling or disposal., Toxic to aquatic life with<br>long lasting effects.  |
| Ecotoxicology Assessment  |  |
| Short-term (acute) aquatic  | : Toxic to aquatic life.   |
| hazard<br>Long-term (chronic) aquatic<br>hazard   | : Toxic to aquatic life with long lasting effects.   |
| CTION 13: Disposal considera  | ations   |
|   |  |
| The information in this SDS pe  | ertains only to the product as shipped.  |
| Use material for its intended p<br>may meet the criteria of a haze<br>other State and local regulatio<br>regulated components may be  | ertains only to the product as shipped.<br>urpose or recycle if possible. This material, if it must be discarded,<br>ardous waste as defined by US EPA under RCRA (40 CFR 261) or<br>ns. Measurement of certain physical properties and analysis for<br>a necessary to make a correct determination. If this material is<br>te, federal law requires disposal at a licensed hazardous waste  |
| Use material for its intended p<br>may meet the criteria of a haze<br>other State and local regulatio<br>regulated components may be<br>classified as a hazardous was   | urpose or recycle if possible. This material, if it must be discarded,<br>ardous waste as defined by US EPA under RCRA (40 CFR 261) or<br>ns. Measurement of certain physical properties and analysis for<br>e necessary to make a correct determination. If this material is  |
| Use material for its intended p<br>may meet the criteria of a haze<br>other State and local regulatio<br>regulated components may be<br>classified as a hazardous was<br>disposal facility.   | <ul> <li>urpose or recycle if possible. This material, if it must be discarded, ardous waste as defined by US EPA under RCRA (40 CFR 261) or ns. Measurement of certain physical properties and analysis for a necessary to make a correct determination. If this material is te, federal law requires disposal at a licensed hazardous waste</li> <li>The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed</li> </ul>   |
| Use material for its intended p<br>may meet the criteria of a haze<br>other State and local regulatio<br>regulated components may be<br>classified as a hazardous was<br>disposal facility.<br>Product  | <ul> <li>aurpose or recycle if possible. This material, if it must be discarded, ardous waste as defined by US EPA under RCRA (40 CFR 261) or ns. Measurement of certain physical properties and analysis for e necessary to make a correct determination. If this material is te, federal law requires disposal at a licensed hazardous waste</li> <li>The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.</li> <li>Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.</li> </ul> |
| Use material for its intended p<br>may meet the criteria of a haze<br>other State and local regulatio<br>regulated components may be<br>classified as a hazardous was<br>disposal facility.<br>Product<br>Contaminated packaging<br>CTION 14: Transport informat<br>The shipping descriptions s | <ul> <li>aurpose or recycle if possible. This material, if it must be discarded, ardous waste as defined by US EPA under RCRA (40 CFR 261) or ns. Measurement of certain physical properties and analysis for e necessary to make a correct determination. If this material is te, federal law requires disposal at a licensed hazardous waste</li> <li>The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.</li> <li>Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.</li> </ul> |

SDS Number:100000101425

## Synfluid<sup>®</sup> Light Oligomers

Version 1.9 Revision Date 2023-11-29 **US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)** UN3295, HYDROCARBONS, LIQUID, N.O.S., COMBUSTIBLE LIQUID, III **IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTANE, OCTENES), 9, III, (69 - 134 °C c.c.), MARINE POLLUTANT, (N-OCTANE, OCTENES) IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION) UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTANE, OCTENES), 9, III ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE)) UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTANE, OCTENES), 9, III, (-) **RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))** 90, UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTANE, OCTENES), 9, III ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS) UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTANE, OCTENES), 9, III Maritime transport in bulk according to IMO instruments **SECTION 15: Regulatory information National legislation** SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids) Aspiration hazard **CERCLA Reportable** : Calculated RQ exceeds reasonably attainable upper limit. Quantity **Xylenes** 

 SARA 302 Reportable
 : This material does not contain any components with a SARA

 Quantity
 : This material does not contain any components with a SARA

 SARA 302 Threshold
 : This material does not contain any components with a section

 SARA 302 Threshold
 : This material does not contain any components with a section

 SARA 304 Reportable
 : This material does not contain any components with a section

 SDS Number:100000101425
 10/13

| nfluid® Light Oligo   | omers  |  |  |
|---|--|--|--|
| sion 1.9  | Revision Date 2023-1   |  |  |
| SARA 313 Components   | : The following components are subject to reporting levels established by SARA Title III, Section 313:   |  |  |
|   | : Ethylbenzene - 100-41-4  |  |  |
| Clean Air Act   |  |  |  |
| Ozone-Depletion : This product neither contains, nor was manufactured with a Class I or<br>Potential : Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR<br>82, Subpt. A, App.A + B). |  |  |  |
| This product does not conta<br>Act Section 112 (40 CFR 6  | ain any hazardous air pollutants (HAP), as defined by the U.S. Clean 1).   |  |  |
|   | ain any chemicals listed under the U.S. Clean Air Act Section 112(r) f<br>tion (40 CFR 68.130, Subpart F).   |  |  |
| This product does not conta<br>Intermediate or Final VOC's  | ain any chemicals listed under the U.S. Clean Air Act Section 111 SC<br>s (40 CFR 60.489).   |  |  |
| US State Regulations  |  |  |  |
| Pennsylvania Right To Kno   |  |  |  |
|   | : Hexadecene, Branched - 182636-01-7<br>1-Octene Homopolymer - 25068-25-1<br>1-Octene Homopolymer, Hydrogenated - 70693-43-5<br>1-Octadecene - 112-88-9<br>Branched Octadecene - 182636-02-8<br>Hexadecane, Branched - 362520-79-4<br>1-Octene - 111-66-0<br>n-Octane - 111-65-9<br>Xylenes - 1330-20-7<br>Ethylbenzene - 100-41-4 |  |  |
| California Prop. 65<br>Components   | : WARNING! This product contains a chemical known in the State of California to cause cancer.<br>Ethylbenzene 100-41-4   |  |  |
|   |  |  |  |

SAFETY DATA SHEET

Version 1.9

Revision Date 2023-11-29

Europe REACH Switzerland CH INV United States of America (USA) TSCA Canada NDSL

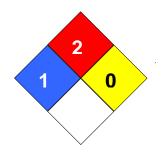
Australia AIIC New Zealand NZIoC Japan ENCS Korea KECI Philippines PICCS Taiwan TCSI China IECSC

| : | Not in compliance with the inventory                   |
|---|--|
| : | Not in compliance with the inventory                   |
| : | On or in compliance with the active portion of the     |
|   | TSCA inventory   |
| : | This product contains one or several components listed |
|   | in the Canadian NDSL.                                  |
| : | Not in compliance with the inventory                   |
| : | Not in compliance with the inventory                   |
| : | Not in compliance with the inventory                   |
| : | Not in compliance with the inventory                   |
| : | Not in compliance with the inventory                   |
| : | Not in compliance with the inventory                   |
| : | Not in compliance with the inventory                   |

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

**NFPA Classification** 

: Health Hazard: 1 Fire Hazard: 2 Reactivity Hazard: 0



#### 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.

| ACGIH | American Conference of<br>Government Industrial Hygienists | LD50  | Lethal Dose 50%                                     |
|-------|--|-------|---|
| AIIC  | Australian Inventory of Industrial<br>Chemicals            | LOAEL | Lowest Observed Adverse Effe                        |
| DSL   | Canada, Domestic Substances<br>List                        | NFPA  | National Fire Protection Agency                     |
| NDSL  | Canada, Non-Domestic<br>Substances List                    | NIOSH | National Institute for Occupatio<br>Safety & Health |
| CNS   | Central Nervous System                                     | NTP   | National Toxicology Program                         |
| CAS   | Chemical Abstract Service                                  | NZloC | New Zealand Inventory of<br>Chemicals               |
| EC50  | Effective Concentration                                    | NOAEL | No Observable Adverse Effect<br>Level               |
| EC50  | Effective Concentration 50%                                | NOEC  | No Observed Effect Concentrat                       |
| EGEST | EOSCA Generic Exposure<br>Scenario Tool                    | OSHA  | Occupational Safety & Health<br>Administration      |
| EOSCA | European Oilfield Specialty                                | PEL   | Permissible Exposure Limit                          |

# Synfluid® Light Oligomers

Version 1.9

Revision Date 2023-11-29

|        | Chemicals Association                                       |       |  |
|--------|---|-------|--|
| 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  |

SDS Number:100000101425