

**Orfom® MCS**

Version 1.11

Revision Date 2022-12-06

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product information**

Product Name : Orfom® MCS
 Material : 1116197, 1116158, 1113750, 1113589, 1113586, 1113584

Company : Chevron Phillips Chemical Company LP
 10001 Six Pines Drive
 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 (Gifflinjen): +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: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 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

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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**

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Classification

: Flammable liquids, Category 4
 Specific target organ toxicity - single exposure, Category 3,
 Central nervous system
 Specific target organ toxicity - repeated exposure, Category 1,
 Inhalation, Central nervous system
 Aspiration hazard, Category 1

Labeling

Symbol(s) : 

Signal Word : Danger

Hazard Statements : H227: Combustible liquid.
 H304: May be fatal if swallowed and enters airways.
 H336: May cause drowsiness or dizziness.
 H372: Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

Precautionary Statements : **Prevention:**
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ eye protection/ face protection.
Response:
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P314 Get medical advice/ attention if you feel unwell.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3: Composition/information on ingredients

Synonyms : Low Aromatic Solvent
Solvent
Solvent Extraction Diluent

Molecular formula : UVCB

| Component | CAS-No. | Weight % |
|---|------------|----------|
| Distillates (petroleum), Hydrotreated light | 64742-47-8 | 100 |

SECTION 4: First aid measures

General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled : Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.

In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear. Never give anything by mouth to

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an unconscious person. If symptoms persist, call a physician.
Take victim immediately to hospital.

SECTION 5: Firefighting measures

| | | |
|--|---|--|
| Flash point | : | 79-80°C (174-176°F) |
| Autoignition temperature | : | 227°C (441°F) |
| Suitable extinguishing media | : | Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | : | High volume water jet. |
| Specific hazards during fire fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus for firefighting if necessary. |
| Further information | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers. |
| Fire and explosion protection | : | Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition. |
| Hazardous decomposition products | : | Hydrocarbons. Carbon oxides. |

SECTION 6: Accidental release measures

| | | |
|---------------------------|---|---|
| Personal precautions | : | Use personal protective equipment. Ensure adequate ventilation. |
| Environmental precautions | : | Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods for cleaning up | : | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. |

SECTION 7: Handling and storage**Handling**

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- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

Storage

- Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection**Ingredients with workplace control parameters****US**

| Components | Basis | Value | Control parameters | Note |
|---|------------|-------|----------------------------------|-----------|
| Distillates (petroleum), Hydrotreated light | OSHA Z-1 | TWA | 500 ppm, 2,000 mg/m ³ | (b), |
| | OSHA Z-1-A | TWA | 400 ppm, 1,600 mg/m ³ | |
| | ACGIH | TWA | 200 mg/m ³ | A3, Skin, |
| | OSHA Z-1 | TWA | 5 mg/m ³ | Mist |
| | OSHA Z-1-A | TWA | 5 mg/m ³ | Mist |

(b) The value in mg/m³ is approximate.A3 Confirmed animal carcinogen with unknown relevance to humans
Skin Danger of cutaneous absorption**Immediately Dangerous to Life or Health Concentrations (IDLH)**

| Substance name | CAS-No. | Control parameters | Update |
|---|------------|---|------------|
| Distillates (petroleum), Hydrotreated light | 64742-47-8 | Immediately Dangerous to Life or Health Concentration Value 2500 mg/m ³ | 2017-09-01 |

Engineering measures

Adequate ventilation to control airborne 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

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- provides protection may be appropriate, such as:. 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 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.
- 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. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties****Appearance**

- Physical state : liquid
 Color : Clear, Colorless
 Odor : characteristic

Safety data

- Flash point : 79-80°C (174-176°F)
- Lower explosion limit : Not applicable
- Upper explosion limit : Not applicable
- Autoignition temperature : 227°C (441°F)
- Molecular formula : UVCB
- Molecular weight : Not applicable
- pH : Not applicable
- Pour point : -21°C (-6°F)
- Boiling point/boiling range : 207-274°C (405-526°F)
 Method: ASTM D 86
- Vapor pressure : < 1.00 PSI
 at 20°C (68°F)

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| | |
|--|---|
| | Method: Reid |
| | < 1.00 PSI at 38°C (100°F) Method: Reid |
| Relative density | : 0.810 - 0.850 at 15 °C (59 °F) |
| Density | : 6.8 - 7.1 L/G |
| Water solubility | : negligible |
| Partition coefficient: n- octanol/water | : No data available |
| Viscosity, kinematic | : 2.12 cSt at 40°C (104°F) Method: ASTM D 445 |
| Relative vapor density | : Not applicable |
| Evaporation rate | : No data available |

SECTION 10: Stability and reactivity

| | |
|---|---|
| Reactivity | : Stable under recommended storage conditions. |
| Chemical stability | : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| Possibility of hazardous reactions | |
| Hazardous reactions | : Hazardous reactions: Hazardous polymerization does not occur. Hazardous reactions: Vapors may form explosive mixture with air. |
| Conditions to avoid | : Heat, flames and sparks. |
| Materials to avoid | : Strong oxidizing agents. |
| Hazardous decomposition products | : Hydrocarbons Carbon oxides |
| Other data | : No decomposition if stored and applied as directed. |

SECTION 11: Toxicological information**Orfom® MCS**

SDS Number:100000101815

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- Acute oral toxicity** : LD50 Oral: > 5,000 mg/kg
Species: Rat
Method: Acute toxicity estimate
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Acute inhalation toxicity : LC50: > 20 mg/l
Species: Rat
Test atmosphere: vapor
Method: Acute toxicity estimate
- Orfom® MCS**
Acute dermal toxicity : LD50 Dermal: > 5,000 mg/kg
Species: Rabbit
Method: Acute toxicity estimate
- Orfom® MCS**
Skin irritation : Irritating to skin.
May cause skin irritation in susceptible persons.
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Eye irritation : May irritate eyes.
Vapors may cause irritation to the eyes, respiratory system and the skin.
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Sensitization : Did not cause sensitization on laboratory animals.
Information refers to the main ingredient.
- Repeated dose toxicity**
Distillates (petroleum),
Hydrotreated light : Species: Rat, male
Sex: male
Application Route: inhalation (vapor)
Exposure time: 13 wks
Number of exposures: 6 h/d
NOEL: 10504 mg/m3
Lowest observable effect level: 31652 mg/m3
Method: OECD Guideline 413
Target Organs: Kidney, Liver
Information given is based on data obtained from similar substances.

Species: Rat, female
Sex: female
Application Route: inhalation (vapor)
Exposure time: 13 wks
Number of exposures: 24 h/d
NOEL: 31652 mg/m³
Method: OECD Guideline 413
Information given is based on data obtained from similar substances.

Species: Rat, male
Sex: male
Application Route: oral gavage
Dose: 116, 347, 1056 mg/kg
Exposure time: 13 wks
Number of exposures: daily
Lowest observable effect level: 347 mg/kg
Method: OECD Test Guideline 408
Target Organs: Kidney
Information given is based on data obtained from similar substances.

Species: Rat, female
Sex: female
Application Route: oral gavage
Dose: 116, 347, 1056 mg/kg
Exposure time: 13 wks
Number of exposures: daily
NOEL: 1,056 mg/kg
Method: OECD Test Guideline 408
Information given is based on data obtained from similar substances.

Species: Rat, male and female
Sex: male and female
Application Route: Dermal
Dose: 165, 330, 495 mg/kg/d
Exposure time: 13 wks
Number of exposures: 5 d/wk
NOEL: > 495 mg/kg
Method: OECD Test Guideline 411
Information given is based on data obtained from similar substances.

Genotoxicity in vitro

Distillates (petroleum),
Hydrotreated light

: Test Type: reverse mutation assay
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
Remarks: Information given is based on data obtained from similar substances.

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Test Type: Cytogenetic assay
 Metabolic activation: with and without metabolic activation
 Method: OECD Guideline 473
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.

Test Type: Mouse lymphoma assay
 Metabolic activation: with and without metabolic activation
 Method: OECD Guideline 476
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.

Genotoxicity in vivo

Distillates (petroleum),
 Hydrotreated light

: Test Type: Micronucleus test
 Species: Mouse
 Route of Application: Intraperitoneal injection
 Method: OECD Test Guideline 474
 Result: negative

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 Carcinogenicity**

: Method: Estimated based on individual component values.
 Remarks: Not expected to be carcinogenic based on individual component data.

Reproductive toxicity

Distillates (petroleum),
 Hydrotreated light

: Species: Rat
 Sex: male and female
 Application Route: oral gavage
 Dose: 50, 200, 750 mg/kg/d
 Method: OECD Test Guideline 416
 NOAEL Parent: ≥ 750 mg/kg
 NOAEL F1: ≥ 750 mg/kg
 No adverse effects expected
 Information given is based on data obtained from similar substances.

Developmental Toxicity

Distillates (petroleum),
 Hydrotreated light

: Species: Rat
 Application Route: oral gavage
 Dose: 0, 400, 800, 1000 mg/kg/bw
 Number of exposures: Daily
 Test period: GD 6 - 15
 Method: OECD Guideline 414
 NOAEL Teratogenicity: $> 1,000$ mg/kg
 NOAEL Maternal: $> 1,000$ mg/kg

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 Aspiration toxicity**

: May be fatal if swallowed and enters airways.

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 Further information**

: Symptoms of overexposure may be headache, dizziness,

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tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may decrease the skin.

SECTION 12: Ecological information**Toxicity to fish**

Distillates (petroleum),
Hydrotreated light : LL50: 10 - 30 mg/l
Exposure time: 96 h
Species: Fish
Method: OECD Test Guideline 203
Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates

Distillates (petroleum),
Hydrotreated light : EL50: 10 - 22 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202
Information given is based on data obtained from similar substances.

Toxicity to algae

Distillates (petroleum),
Hydrotreated light : EL50: 4.1 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Method: OECD Test Guideline 201
Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

Distillates (petroleum),
Hydrotreated light : NOELR: 0.28 mg/l
Exposure time: 21 Days
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
Information given is based on data obtained from similar substances.

Biodegradability : Taking into consideration the properties of several ingredients, the product is estimated to be biodegradable according to OECD classification.

Elimination information (persistence and degradability)

Bioaccumulation

Distillates (petroleum),
Hydrotreated light : This material is not expected to bioaccumulate.

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Mobility

Distillates (petroleum),
Hydrotreated light : Medium: Air
Method: Calculation, Mackay Level III Fugacity Model
Content: 96 %

: Medium: Water
Method: Calculation, Mackay Level III Fugacity Model
Content: 1.4 %

: Medium: Soil
Method: Calculation, Mackay Level III Fugacity Model
Content: 0.07 %

: Medium: Sediment
Method: Calculation, Mackay Level III Fugacity Model
Content: 1.3 %

Results of PBT assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information : Toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects.

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Toxic to aquatic life.

Long-term (chronic) aquatic hazard : Toxic to aquatic life with long lasting effects.

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.

Product : 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.

Contaminated packaging : 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.

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

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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.

Testing (ASTM D4206) has shown product does not sustain combustion.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT), 9, III, (79 - 80 °C c.c.), MARINE POLLUTANT, (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT), 9, III

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

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT), 9, III, (-)

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

90, UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT), 9, III

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

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT), 9, III
TANK VESSELS: ID9003, SUBSTANCES WITH A FLASH-POINT ABOVE 60°C AND NOT MORE THAN 100°C, 9"

| | | |
|--------------------------|----------|--|
| Other information | : | This product is being carried under the scope of MARPOL Annex I |
|--------------------------|----------|--|

Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information**National legislation**

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)

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Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

CERCLA Reportable Quantity : Calculated RQ exceeds reasonably attainable upper limit.

Naphthalene
Xylenes

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

SARA 302 Threshold Planning Quantity : This material does not contain any components with a section 302 EHS TPQ.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

US State Regulations

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Pennsylvania Right To Know

: Distillates (petroleum), Hydrotreated light - 64742-47-8
 Xylenes - 1330-20-7
 Ethylbenzene - 100-41-4
 Naphthalene - 91-20-3
 Phenanthrene - 85-01-8

California Prop. 65
Components

: **WARNING:** This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov/food.

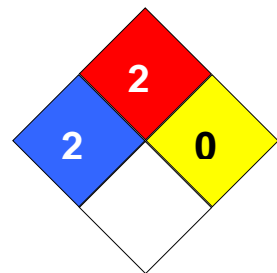
| | |
|--------------|----------|
| Naphthalene | 91-20-3 |
| Ethylbenzene | 100-41-4 |
| Phenanthrene | 85-01-8 |

Notification status

| | |
|-------------------------------------|--|
| Europe REACH | : This product is in full compliance according to REACH regulation 1907/2006/EC. |
| Switzerland CH INV | : On the inventory, or in compliance with the inventory |
| United States of America (USA) TSCA | : On or in compliance with the active portion of the TSCA inventory |
| Canada DSL | : All components of this product are on the Canadian DSL |
| Australia AIIC | : On the inventory, or in compliance with the inventory |
| New Zealand NZIoC | : Not in compliance with the inventory |
| Japan ENCS | : On the inventory, or in compliance with the inventory |
| Korea KECI | : A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s). |
| Philippines PICCS | : On the inventory, or in compliance with the inventory |
| Taiwan TCSI | : On the inventory, or in compliance with the inventory |
| China IECSC | : On the inventory, or in compliance with the inventory |

SECTION 16: Other information**NFPA Classification**

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



Further information

Legacy SDS Number : 98120

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.

Key or legend to abbreviations and acronyms used 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 |