# SAFETY DATA SHEET

**Gulf Superfleet Supreme, SAE 15W-40** **02108/15W-40/5**

**Issuing Date:** 08-16-2016 **Revision Date:** 08-16-2016 **Version** 2

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Name** **Gulf Superfleet Supreme, SAE 15W-40**
**Product Code(s):** 02108/15W-40/5

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Engine oil

**Uses advised against** Any other purpose.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**
Gulf Oil Supply Company Limited
B2 Industry Street, Qormi, QRM 3000, Malta
+44 207 321 6219
products@gulfoilltd.com sds@gulfoilltd.com

### 1.4. Emergency telephone number

Europe (+) 44 808 189 0979 Code 334276
(+) 1 760 476 3961 Code 334276
(+) 32 (0) 3241 33 55

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Regulation (EC) No 1272/2008**

Contains Calcium sulfonate May produce an allergic reaction.

### 2.2. Label Elements

**Signal Word**
None

**Hazard Statements**

EUH208 - Contains Calcium sulfonate May produce an allergic reaction.

**2.3. Other hazards**
No information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances** / **3.2. Mixtures**

This product is a mixture. Health hazard information is based on its ingredients

| Chemical Name | EC-No | CAS-No | Weight % | Classification (Reg. 1272/2008) | REACH Registration Number |
|---|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | - | - | 50% - 100% | ** | - |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | - | - | 2.5% - 10% | Asp. Tox. 1 (H304) (EUH066) | - |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | 283-392-8 | 84605-29-8 | 1% - 2.5% | Aquatic Chronic 2 (H411) Eye Dam. 1 (H318) Skin Irrit. 2 (H315) | 01-2119493626-26-xxxx |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 274-263-7 | 70024-69-0 | 0% - 1% | Skin Sens. 1 (H317) | 01-2119492616-28-xxxx |
| Phenol, dodecyl-, branched | 310-154-3 | 121158-58-5 | 0% - 1% | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 2 (H361) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | 01-2119513207-49-xxxx |
| O,O,O-triphenyl phosphorothioate | 209-909-9 | 597-82-0 | 0% - 1% | Aquatic Chronic 4 (H413) Repr. 2 (H361fd) | no data available |

**Additional information**
Product containing mineral oil with less than 3% DMSO extract as measured by IP 346
See Section 15 for additional information on base oils.
** Substances for which there are Community workplace exposure limits

**Full text of H- and EUH-phrases: see section 16**

## SECTION 4: FIRST AID MEASURES

**4.1. Description of first-aid measures**

**General advice** May produce an allergic reaction. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation** Move to fresh air.

**Skin contact** Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. May cause an allergic skin reaction. If symptoms persist, call a physician.

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

| | |
|---|---|
| **Ingestion** | Clean mouth with water. Drink plenty of water. Do not induce vomiting without medical advice. |
| **Protection of First-aiders** | Use personal protective equipment. Avoid contact with skin, eyes and clothing. |

**4.2. Most important symptoms and effects, both acute and delayed**

| | |
|---|---|
| **Main Symptoms** | May cause allergic skin reaction |

**4.3. Indication of immediate medical attention and special treatment needed**

| | |
|---|---|
| **Notes to physician** | May cause sensitization of susceptible persons. Treat symptomatically. |

## SECTION 5: FIRE FIGHTING MEASURES

**5.1. Extinguishing media**

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment:, Use CO2, dry chemical, or foam, Water spray or fog, Cool containers / tanks with water spray

**Extinguishing media which shall not be used for safety reasons**
Do not use a solid water stream as it may scatter and spread fire

**5.2. Special hazards arising from the substance or mixture**

**Special Hazard**
Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous Decomposition Products**
Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

| | |
|---|---|
| **Advice for non-emergency personnel** | Material can create slippery conditions. |
| **Advice for emergency responders** | For personal protection see section 8. |

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**6.3. Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dike to collect large liquid spills.

### 6.4. Reference to other sections

See Section 8/12/13 for additional information

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Remove all sources of ignition. Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions**
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible Materials**
Oxidizing agents

### 7.3. Specific end uses

**Recommended use** Engine oil

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Chemical Name | European Union | United Kingdom | France | Spain |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | | | | VLA-EC: 10 mg/m³<br>VLA-ED: 5 mg/m³ |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | | | | VLA-EC: 10 mg/m³<br>VLA-ED: 5 mg/m³ |

| Chemical Name | Germany | Italy | Portugal | The Netherlands |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | | TWA: 5 mg/m³ | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | TWA: 5 mg/m³ |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | | TWA: 5 mg/m³ | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | TWA: 5 mg/m³ |

| Chemical Name | Austria | Switzerland | Poland | Ireland |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | | | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | STEL: 10 mg/m³<br>TWA: 5 mg/m³ |

| | | | | |
|---|---|---|---|---|
| | | | | (Mist) |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | | | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | STEL: 10 mg/m³<br>TWA: 5 mg/m³<br>(Mist) |

| Chemical Name | Finland | Denmark | Norway | Sweden |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | TWA: 5mg/m³ (Öljysumu) | TWA: 1 mg/m³ (Olietåge) | TWA: 1 mg/m³ (Oljetåke) | LLV: 1 mg/m³<br>STV: 3 mg/m³<br>(Oljedimma) |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | TWA: 5mg/m³ (Öljysumu) | TWA: 1 mg/m³ (Olietåge) | TWA: 1 mg/m³ (Oljetåke) | LLV: 1 mg/m³<br>STV: 3 mg/m³<br>(Oljedimma) |

| Chemical Name | Czech Republic | Hungary | Bulgaria | Romania |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | TWA: 5 mg/m³<br>Ceiling: 10 mg/m³ | TWA: 5 mg/m³ | TWA: 5 mg/m³ | TWA: 5 mg/m³<br>STEL: 10 mg/m³ |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | TWA: 5 mg/m³<br>Ceiling: 10 mg/m³ | TWA: 5 mg/m³ | TWA: 5 mg/m³ | TWA: 5 mg/m³<br>STEL: 10 mg/m³ |

| Chemical Name | Greece | Cyprus | Turkey | Malta |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | TWA: 5 mg/m³ | | | |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | TWA: 5 mg/m³ | | | |

| Chemical Name | Belgium | Luxembourg | Iceland | Croatia |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | | | |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | | | |

| Chemical Name | Russia | Estonia | Latvia | Lithuania |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | | | TWA: 5 mg/m³ | TWA: 1 mg/m³<br>STEL: 3 mg/m³ |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | | | TWA: 5 mg/m³ | TWA: 1 mg/m³<br>STEL: 3 mg/m³ |

| Chemical Name | Belarus | Ukraine | Slovakia | Slovenia |
|---|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | | | TWA: 5mg/m³ | |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | | | TWA: 5mg/m³ | |

**Derived No Effect Level (DNEL)**

**Workers Systemic toxicity**

| Chemical Name | Long term - Oral exposure | Long term - Dermal exposure | Long term - Inhalation | Short term - Oral Exposure | Short term - Dermal exposure | Short term - Inhalation |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | exposure | | | exposure |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | | 12.1 mg/kg | 8.31 mg/m³ | | | |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | 3.33 mg/kg | 0.66 mg/m³ | | | |
| Phenol, dodecyl-, branched | | 0.25 mg/kg | 1.7621 mg/m³ | | 166 mg/kg | 44.18 mg/m³ |
| O,O,O-triphenyl phosphorothioate | | 0.42 mg/kg | 2.94 mg/m³ | | | |

**Workers Local effects**

**Consumers Systemic toxicity**

| Chemical Name | Long term - Oral exposure | Long term - Dermal exposure | Long term - Inhalation exposure | Short term - Oral Exposure | Short term - Dermal exposure | Short term - Inhalation exposure |
|---|---|---|---|---|---|---|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | 0.24 mg/kg | 6.1 mg/kg | 2.11 mg/m³ | | | |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 0.8333 mg/kg | 1.667 mg/kg | 0.33 mg/m³ | | | |
| Phenol, dodecyl-, branched | 0.075 mg/kg | 0.075 mg/kg | 0.79 mg/m³ | 13.26 mg/m³ | 50 mg/kg | 13.26 mg/m³ |
| O,O,O-triphenyl phosphorothioate | 0.21 mg/kg | 0.21 mg/kg | 0.72 mg/m³ | | | |

**Consumers Local effects**

**Predicted No Effect Concentration (PNEC)**

| Chemical Name | Fresh water | Sea water | Fresh water sediment | Sea sediment | Soil |
|---|---|---|---|---|---|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | 4 µg/L | 4.6 µg/L | | | 0.0548 mg/kg |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 1 mg/L | 1 mg/L | 723500000 mg/kg | 723500000 mg/kg | 868700000 mg/kg |
| Phenol, dodecyl-, branched | 0.074 µg/L | 0.0074 µg/L | 0.226 mg/kg | 0.0266 mg/kg | 0.118 mg/kg |
| O,O,O-triphenyl phosphorothioate | 0.02 mg/L | 0.01 mg/L | 8.42 mg/kg | 4.19 mg/kg | 1.66 mg/kg |

### 8.2. Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye Protection** Safety glasses with side-shields.

**Hand Protection** 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.

**Skin and body protection** Long sleeved clothing.

**Respiratory protection** No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hygiene measures** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

| | |
|---|---|
| **Environmental Exposure Controls** | No special environmental precautions required. |
| **Thermal hazards** | None under normal use conditions |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

| | | | |
|---|---|---|---|
| **Physical state @20°C** | liquid | **Appearance** | clear amber |
| **Odor** | Hydrocarbon-like | **Odor Threshold** | Not Applicable |

| Property | Values | Note |
|---|---|---|
| **pH** | No information available | |
| **Melting Point / Freezing Point** | No information available | |
| **Boiling point/boiling range** | No information available | |
| **Flash point** | 225 °C / 437 °F | ASTM D 92 |
| **Evaporation rate** | No information available | |
| **Flammability (solid, gas)** | No information available | |
| **Flammability Limits in Air** | | |
| **upper flammability limit** | No information available | |
| **Lower flammability limit** | No information available | |
| **Vapor pressure** | No information available | |
| **Vapor density** | No information available | |
| **Relative density** | 0.8834 | @15°C |
| **Solubility(ies)** | Insoluble in water | |
| **Partition coefficient: n-octanol/water** | Not Applicable | |
| **Autoignition temperature** | No information available | |
| **Decomposition temperature** | No information available | |
| **Viscosity, kinematic** | 106.4 cSt @ 40 °C | ASTM D 445 |
| **Explosive properties** | Not Applicable | |
| **Oxidizing Properties** | Not Applicable | |

### 9.2. Other information

| | | |
|---|---|---|
| **Viscosity, kinematic (100°C)** | 14.4 cSt @ 100°C | ASTM D 445 |
| **Pour point** | -27 °C / -17 °F | ASTM D 97 |
| **VOC Content (ASTM E-1868-10)** | No information available | |
| **VOC content** | No information available | |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None under normal use conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None under normal use conditions

### 10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition

### 10.5. Incompatible Materials

Oxidizing agents

**10.6. Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects**

**Product Information - Principle Routes of Exposure**

**Inhalation** None known

**Eye contact** None known

**Skin contact** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

**Ingestion** None known

**Acute toxicity - Product Information**

Product does not present an acute toxicity hazard based on known information.

**Acute toxicity - Component Information**

| Chemical Name | LD50 Oral (Rat) | LD50 Dermal (Rat/Rabbit) | LC50 Inhalation |
|---|---|---|---|
| Highly refined base oil (Viscosity >20.5 cSt @40°C) | >2000 mg/kg | >2000 mg/kg | |
| Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) | >2000 mg/kg | >2000 mg/kg | |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | = 2000 mg/kg ( Rat ) | > 3200 mg/kg ( Rabbit ) | |

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Sensitization**

**Respiratory Sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** May cause an allergic skin reaction.

**Germ Cell Mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ systemic toxicity (single exposure)** Based on available data, the classification criteria are not met

**Specific target organ systemic toxicity (repeated exposure)** Based on available data, the classification criteria are not met

**Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No special environmental measures are necessary

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|---|---|---|---|---|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | | 10 - 100: 96 h Pimephales promelas mg/L LC50 static 38: 96 h Pimephales promelas mg/L LC50 100: 96 h Pimephales promelas mg/L LC50 semi-static | | 0.1 - 1: 48 h Daphnia magna mg/L EC50 |

### 12.2. Persistence and degradability

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

### 12.3. Bioaccumulative potential

No information available

### 12.4. Mobility in soil

The product is insoluble and floats on water

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from Residues / Unused Products** Dispose of as hazardous waste in compliance with local and national regulations

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Observe all label precautions until container is cleaned, reconditioned or destroyed.

**Other Data** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application

for which the product was used.

## SECTION 14: TRANSPORT INFORMATION

**14.1. UN-Number**

Not regulated

**14.2. UN proper shipping name**

Not regulated

**14.3. Transport hazard class**

Not regulated

**14.4. Packing group**

Not regulated

**14.5. Environmental Hazards**

None

**14.6. Special precautions for users**

None

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**IMDG/IMO** Not regulated

**ADR/RID** Not regulated

**IATA** Not regulated

**ADN** Not regulated

## SECTION 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

**WGK Classification** Low hazard to water/Class 1

**The highly refined base oil (Viscosity >20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:**

| Chemical Name | CAS-No | EC-No | REACH Registration Number |
|---|---|---|---|
| Distillates (petroleum), solvent-refined heavy paraffinic | 64741-88-4 | 265-090-8 | 01-2119488706-23-xxxx |
| Distillates (petroleum), solvent-refined light paraffinic | 64741-89-5 | 265-091-3 | 01-2119487081-40-xxxx |
| Residual oils (petroleum), solvent deasphalted | 64741-95-3 | 265-096-0 | 01-2119487081-40-xxxx |
| Distillates (petroleum), solvent-refined heavy naphthenic | 64741-96-4 | 265-097-6 | 01-2119483621-38-xxxx |

| | | | |
|---|---|---|---|
| Distillates (petroleum), solvent-refined light naphthenic | 64741-97-5 | 265-098-1 | 01-2119480374-36-xxxx |
| Residual oils (petroleum), solvent-refined | 64742-01-4 | 265-101-6 | 01-2119488707-21-xxxx |
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 265-155-0 | 01-2119467170-45-xxxx |
| Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 265-156-6 | 01-2119480375-34-xxxx |
| Distillates (petroleum), hydrotreated heavy paraffinic | 64742-54-7 | 265-157-1 | 01-2119484627-25-xxxx |
| Distillates (petroleum), hydrotreated light paraffinic | 64742-55-8 | 265-158-7 | 01-2119487077-29-xxxx |
| Distillates (petroleum), solvent-dewaxed light paraffinic | 64742-56-9 | 265-159-2 | 01-2119480132-48-xxxx |
| Residual oils (petroleum), hydrotreated | 64742-57-0 | 265-160-8 | 01-2119489287-22-xxxx |
| Lubricating oils (petroleum), hydrotreated spent | 64742-58-1 | 265-161-3 | |
| Residual oils (petroleum), solvent-dewaxed | 64742-62-7 | 265-166-0 | 01-2119480472-38-xxxx |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 64742-65-0 | 265-169-7 | 01-2119471299-27-xxxx |
| Paraffin oils (petroleum), catalytic dewaxed heavy | 64742-70-7 | 265-174-4 | 01-2119487080-42-xxxx |
| Paraffin oils (petroleum), catalytic dewaxed light | 64742-71-8 | 265-176-5 | 01-2119485040-48-xxxx |
| Lubricating oils (petroleum), C>25, hydrotreated bright stock-based | 72623-83-7 | 276-735-8 | |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity | 72623-85-9 | 276-736-3 | 01-2119555262-43-xxxx |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | 72623-86-0 | 276-737-9 | 01-2119474878-16-xxxx |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | 72623-87-1 | 276-738-4 | 01-2119474889-13-xxxx |
| Lubricating oils | 74869-22-0 | 278-012-2 | 01-2119495601-36-xxxx |
| White mineral oil (petroleum) | 8042-47-5 | 232-455-8 | |

**The highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:**

| Chemical Name | CAS-No | EC-No | REACH Registration Number |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy paraffinic | 63742-54-7 | 265-157-1 | 01-2119484627-25-xxxx |
| Distillates (petroleum), solvent-refined heavy paraffinic | 64741-88-4 | 265-090-8 | 01-2119488706-23-xxxx |
| Distillates (petroleum), solvent-refined light paraffinic | 64741-89-5 | 265-091-3 | 01-2119487067-30-xxxx |
| Residual oils (petroleum), solvent deasphalted | 64741-95-3 | 265-096-0 | 01-2119487081-40-xxxx |
| Distillates (petroleum), solvent-refined heavy naphthenic | 64741-96-4 | 265-097-6 | 01-2119483621-38-xxxx |
| Distillates (petroleum), solvent-refined light naphthenic | 64741-97-5 | 265-098-1 | 01-2119480374-36-xxxx |
| Residual oils (petroleum), solvent-refined | 64742-01-4 | 265-101-6 | 01-2119488707-21-xxxx |
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 265-155-0 | 01-2119467170-45-xxxx |
| Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 265-156-6 | 01-2119480375-34-xxxx |
| Distillates (petroleum), hydrotreated light paraffinic | 64742-55-8 | 265-158-7 | 01-2119487077-29-xxxx |
| Distillates (petroleum), solvent-dewaxed light paraffinic | 64742-56-9 | 265-159-2 | 01-2119480132-48-xxxx |
| Residual oils (petroleum), hydrotreated | 64742-57-0 | 265-160-8 | 01-2119489287-22-xxxx |
| Lubricating oils (petroleum), hydrotreated spent | 64742-58-1 | 265-161-3 | |
| Residual oils (petroleum), solvent-dewaxed | 64742-62-7 | 265-166-0 | 01-2119480472-38-xxxx |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 64742-65-0 | 265-169-7 | 01-2119471299-27-xxxx |
| Paraffin oils (petroleum), catalytic dewaxed light | 64742-71-8 | 265-176-5 | 01-2119485040-48-xxxx |
| Dec-1-ene, homopolymer, hydrogenated | 68037-01-4 | 500-183-1 | 01-2119486452-34-xxxx |
| Lubricating oils (petroleum), C>25, hydrotreated bright stock-based | 72623-83-7 | 276-735-8 | |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity | 72623-85-9 | 276-736-3 | 01-2119555262-43-xxxx |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | 72623-86-0 | 276-737-9 | 01-2119474878-16-xxxx |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | 72623-87-1 | 276-738-4 | 01-2119474889-13-xxxx |
| Lubricating oils | 74869-22-0 | 278-012-2 | 01-2119495601-36-xxxx |

**15.2. Chemical Safety Assessment**

No information available

## SECTION 16: OTHER INFORMATION

**Key or legend to abbreviations and acronyms used in the safety data sheet**
Repr.-Reproduction toxicity
Asp. Tox. - Aspiration Toxicity
Acute Tox. - Acute Toxicity
Aquatic Acute - Acute Aquatic Toxicity
Aquatic Chronic - Chronic Aquatic Toxicity
Eye Dam. - Eye Damage
Eye Irrit. - Eye Irritation
Skin Corr. - Skin Corrosion
Skin Irrit. - Skin Irritation
Skin Sens. - Skin Sensitizer
Resp. Sens. - Respiratory Sensitizer
STOT SE - Specific target organ systemic toxicity (Single exposure)
STOT RE - Specific target organ systemic toxicity (repeated exposure)
VOC - Volatile organic compounds

**Full text of H-Statements referred to under sections 2 and 3**

| | |
|---|---|
| • H224 - Extremely flammable liquid and vapor | • H341 - Suspected of causing genetic defects |
| • H225 - Highly flammable liquid and vapor | • H350 - May cause cancer |
| • H226 - Flammable liquid and vapor | • H351 - Suspected of causing cancer |
| • H270 - May cause or intensify fire; oxidizer | • H360 - May damage fertility or the unborn child |
| • H271 - May cause fire or explosion; strong oxidizer | • H361 - Suspected of damaging fertility or the unborn child |
| • H272 - May intensify fire; oxidizer | • H362 - May cause harm to breast-fed children |
| • H290 - May be corrosive to metals | • H370 - Causes damage to organs |
| • H300 - Fatal if swallowed | • H371 - May cause damage to organs |
| • H301 - Toxic if swallowed | • H372 - Causes damage to organs through prolonged or repeated exposure |
| • H302 - Harmful if swallowed | • H373 - May cause damage to organs through prolonged or repeated exposure |
| • H304 - May be fatal if swallowed and enters airways | • H400 - Very toxic to aquatic life |
| • H310 - Fatal in contact with skin | • H410 - Very toxic to aquatic life with long lasting effects |
| • H311 - Toxic in contact with skin | • H411 - Toxic to aquatic life with long lasting effects |
| • H312 - Harmful in contact with skin | • H412 - Harmful to aquatic life with long lasting effects |
| • H314 - Causes severe skin burns and eye damage | • H413 - May cause long lasting harmful effects to aquatic life |
| • H315 - Causes skin irritation | • H360Df - May damage the unborn child. Suspected of damaging fertility |
| • H317 - May cause an allergic skin reaction | • H360D - May damage the unborn child |
| • H318 - Causes serious eye damage | • H360FD - May damage fertility. May damage the unborn child |
| • H319 - Causes serious eye irritation | • H360F - May damage fertility |
| • H330 - Fatal if inhaled | • H361d - Suspected of damaging the unborn child |
| • H331 - Toxic if inhaled | • H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child |
| • H332 - Harmful if inhaled | • H361f - Suspected of damaging fertility |
| • H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled | • EUH066 - Repeated exposure may cause skin dryness or cracking |
| • H335 - May cause respiratory irritation | • EUH210 - Safety data sheet available on request |
| • H336 - May cause drowsiness or dizziness | • EUH208 - May produce an allergic reaction |
| • H340 - May cause genetic defects | |

**Exposure scenario**
No information available

**Revision Date:** 08-16-2016

**Revision Note**
(M)SDS sections updated, 15.

**Disclaimer**
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