15W40 CF-4/SG
Safety Data Sheet


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

1.1. Product identifier

Product form : Mixture
Product name : 15W40 CF-4/SG
Product code : 401529, 401530, 401531
Product group : Motor Oil

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use
Industrial/Professional use spec : Non-dispersive use
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Valeo Service
70 Rue Pleyel
93200 Saint Denis  France
Tel. +33 (0)1 49 45 32 32
vsao.contact.mailbox@valeo.com

1.4. Emergency telephone number

Emergency number / Poison Center : +33 1 49 45 32 32 (working hours) / +33 3 83 85 21 92
OR Please contact local poison center (https://apps.who.int/poisoncentres/PoisonCentres_201902.pdf)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction
                  EUH210 - Safety data sheet available on request

Child-resistant fastening : No
Tactile warning : No

2.3. Other hazards

No additional information available
SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td></td>
<td>1 - 4,99</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Phenol, dodecyl-, branched</td>
<td>(EC no) 310-154-3 (REACH-no) 01-2119513207-49</td>
<td>0,1 - 0,99</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319, Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=10)</td>
</tr>
<tr>
<td>Benzenesulfonic acid, mono-C16:24-alkyl derivs., calcium salts</td>
<td>(EC no) 274-263-7 (REACH-no) 01-2119492616-28</td>
<td>0,1 - 0,99</td>
<td>Skin Sens. 1B, H317</td>
</tr>
<tr>
<td>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</td>
<td>(EC no) 283-392-8</td>
<td>0,1 - 0,99</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
- First-aid measures after inhalation: Not expected to require first aid measures.
- First-aid measures after skin contact: Wash skin with mild soap and water.
- First-aid measures after eye contact: In case of eye contact, immediately rinse with clean water for 10-15 minutes.
- First-aid measures after ingestion: Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed
- Symptoms/injuries after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Symptoms/injuries after skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Symptoms/injuries after eye contact: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Symptoms/injuries after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
- Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
- Precautionary measures fire: Exercise caution when fighting any chemical fire.
- Firefighting instructions: Use water spray or fog for cooling exposed containers.
- Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
- Protective equipment: Wear suitable protective clothing and gloves.

6.1.2. For emergency responders
- Protective equipment: Wear suitable protective clothing and gloves.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- **For containment**: Impound and recover large spill by mixing it with inert granular solids.
- **Methods for cleaning up**: Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
- **Other information**: Spill area may be slippery. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- **Handling temperature**: < 40 °C
- **Hygiene measures**: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- **Storage temperature**: < 40 °C
- **Storage area**: Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Mineral oil</th>
<th>Limit value (mg/m³)</th>
<th>Short time value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>5 mg/m³ 06/2011</td>
<td>10 mg/m³ 06/2011</td>
</tr>
</tbody>
</table>

Additional information: 5 mg/m³ for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

8.2. Exposure controls

- **Personal protective equipment**: Safety glasses. Gloves.
- **Hand protection**: Permeation time: minimum >480 min long term exposure; material / thickness [mm]: >0.35 mm. Nitrile rubber (NBR) /
- **Skin and body protection**: No special clothing/skin protection equipment is recommended under normal conditions of use.
- **Respiratory protection**: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state**: Liquid
- **Appearance**: Oily liquid.
- **Colour**: Yellow-brown.
- **Odour**: Characteristic.
- **Odour threshold**: No data available
- **pH**: No data available
- **Relative evaporation rate (butylacetate=1)**: No data available
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: > 200 °C @ ASTM D92
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapour pressure**: No data available
- **Relative vapour density at 20 °C**: No data available
15W40 CF-4/SG
Safety Data Sheet

Relative density: No data available
Density: 882 kg/m³ @15°C
Solubility: Slightly soluble, the product remains on the water surface.
Log Pow: No data available
Viscosity, kinematic: 103 mm²/s @ 40°C
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
None under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None under normal conditions.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
Strong oxidizers, acids, bases.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity: Not classified

Mineral oil
LD50 oral > 5000 mg/kg
LD50 dermal rabbit > 5000 mg/kg
LC50 inhalation rat (mg/l) > 5000 mg/l/4h mg/m³ @4h

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
LD50 oral rat > 5000 mg/kg OECD 401
LD50 dermal rabbit > 5000 mg/kg OECD 402
LC50 inhalation rat (Vapours - mg/l/4h) > 1,7 mg/l/4h EPA OPP 81-3

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
NOAEL (acute, oral, animal/male) > 500 mg/kg bodyweight OECD 407

Specific target organ toxicity (repeated exposure): Not classified
### Aspiration hazard

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>15W40 CF-4/SG</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

### Viscosity, kinematic

<table>
<thead>
<tr>
<th>Substance</th>
<th>Viscosity, kinematic</th>
</tr>
</thead>
<tbody>
<tr>
<td>15W40 CF-4/SG</td>
<td>103 mm²/s @ 40°C</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general: Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>LC50 fish 2</th>
<th>EC50 Daphnia 1</th>
<th>EC50 Daphnia 2</th>
<th>EC50 96h algae (1)</th>
<th>EC50 96h algae (2)</th>
<th>NOEC (chronic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol, dodecyl-, branched</td>
<td>40 mg/l Pimephales promelas</td>
<td>&gt; 1000 mg/l</td>
<td>0,037 mg/l</td>
<td>0,0079 mg/l @21d</td>
<td>&gt; 100 mg/l Chlorophyta</td>
<td>&gt; 10 mg/l</td>
<td>0,0037 mg/l @21d - Daphnia</td>
</tr>
<tr>
<td>Mineral oil</td>
<td>&gt; 100 mg/l Pimephales promelas</td>
<td>&gt; 10000 mg/l</td>
<td>&gt; 10 mg/l 21d</td>
<td>&gt; 10 mg/l Chlorophyta</td>
<td>&gt; 10 mg/l</td>
<td>&gt; 10 mg/l Chlorophyta</td>
<td></td>
</tr>
<tr>
<td>Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts</td>
<td>&gt; 10000 mg/l cyprinodon variegatus</td>
<td>&gt; 1000 mg/l</td>
<td>&gt; 10 mg/l 21d</td>
<td>&gt; 100 mg/l Chlorophyta</td>
<td>&gt; 10 mg/l Chlorophyta</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</td>
<td>&gt; 1000 mg/l Oncorhynchus mykiss</td>
<td>&gt; 1000 mg/l</td>
<td>&gt; 10 mg/l 21d</td>
<td>&gt; 100 mg/l Chlorophyta</td>
<td>&gt; 10 mg/l Chlorophyta</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>15W40 CF-4/SG</td>
<td>Not soluble in water, so only minimally biodegradable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Biodegradation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol, dodecyl-, branched</td>
<td>25 % @28d - strum - OECD TG 301 B</td>
</tr>
<tr>
<td>Mineral oil</td>
<td>31 % 28d - OECD TG 301 B</td>
</tr>
<tr>
<td>Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts</td>
<td>8 % ThOD 28d - OECD TG 301 D</td>
</tr>
<tr>
<td>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</td>
<td>1,5 % @28d - OECD TG 301 B</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioconcentration factor (BCF REACH)</th>
<th>Log Kow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol, dodecyl-, branched</td>
<td>794,33</td>
<td>7,14</td>
</tr>
</tbody>
</table>

Measurements
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts

Log Kow  4.46 - 10.88 OECD 107/117

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

Log Kow  0.56 Measurements

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Additional information: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
Not regulated for transport

14.2. UN proper shipping name
Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable
Proper Shipping Name (ADN): Not applicable
Proper Shipping Name (RID): Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR): Not applicable

IMDG
Transport hazard class(es) (IMDG): Not applicable

IATA
Transport hazard class(es) (IATA): Not applicable

ADN
Transport hazard class(es) (ADN): Not applicable

RID
Transport hazard class(es) (RID): Not applicable

14.4. Packing group

Packing group (ADR): Not applicable
Packing group (IMDG): Not applicable
Packing group (IATA): Not applicable
Packing group (ADN): Not applicable
Packing group (RID): Not applicable

14.5. Environmental hazards

Dangerous for the environment: No
Marine pollutant: No
Other information: No supplementary information available

14.6. Special precautions for user

- Overland transport
No data available

- Transport by sea
No data available

- Air transport
No data available

- Inland waterway transport
No data available

- Rail transport
No data available

14.7. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable

### SECTION 15: Regulatory information

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

**15.1.1. EU-Regulations**
- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances

**15.1.2. National regulations**

**Germany**
- **VwVwS Annex reference**: Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)
- **12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV**: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**
- **SZW-lijst van kankerverwekkende stoffen**: Phenol, dodecyl-, branched, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts are listed
- **SZW-lijst van mutagene stoffen**: Phenol, dodecyl-, branched, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts are listed
- **NIET-limiteerlijke lijst van voor de voortplanting giftige stoffen – Borstvoeding**: None of the components are listed
- **NIET-limiteerlijke lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid**: None of the components are listed
- **NIET-limiteerlijke lijst van voor de voortplanting giftige stoffen – Ontwikkeling**: None of the components are listed

**Denmark**
- **Classification remarks**: Emergency management guidelines for the storage of flammable liquids must be followed
- **Recommendations Danish Regulation**: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out for the substance or the mixture by the supplier
### SECTION 16: Other information

Indication of changes:

<table>
<thead>
<tr>
<th></th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2</td>
<td>Label elements</td>
<td>Modified</td>
</tr>
<tr>
<td>3.2</td>
<td>Composition/information on ingredients</td>
<td>Modified</td>
</tr>
<tr>
<td>12.1</td>
<td>Additional information</td>
<td>Modified</td>
</tr>
<tr>
<td>15</td>
<td>Chemical safety assessment</td>
<td>Modified</td>
</tr>
<tr>
<td>16</td>
<td>Abbreviations and acronyms</td>
<td>Modified</td>
</tr>
</tbody>
</table>

### Abbreviations and acronyms:

- **ACGIH**: American Conference of Governmental Industrial Hygienists
- **TWA**: Time Weighted Average
- **TLV**: Threshold Limit Value
- **ASTM**: American Society for Testing and Materials
- **ADR**: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route
- **RID**: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- **ADNR**: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
- **IMDG**: International Maritime Dangerous Goods
- **ICAO**: International Civil Aviation Organization
- **IATA**: International Air Transport Association
- **STEL**: Short Term Exposure Limit
- **LD50**: median Lethal Dose for 50% of subjects
- **ATE**: acute toxicity estimate
- **LC50**: median Lethal Concentration for 50% of subjects
- **EC50**: concentration producing 50% effect
The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

### Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Sensitisation — Skin, category 1B</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H361f</td>
<td>Suspected of damaging fertility</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>EUH208</td>
<td>Contains. May produce an allergic reaction</td>
</tr>
<tr>
<td>EUH210</td>
<td>Safety data sheet available on request</td>
</tr>
</tbody>
</table>
15W40 CF-4/SG
Safety Data Sheet

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.