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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>15W40 SL/CF B4</td>
</tr>
<tr>
<td>Product code</td>
<td>401168, 401169, 40117, 401178, 401179</td>
</tr>
<tr>
<td>Product group</td>
<td>Motor oil</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

<table>
<thead>
<tr>
<th>Main use category</th>
<th>Industrial use, Professional use, Consumer use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial/Professional use spec</td>
<td>Non-dispersive use</td>
</tr>
<tr>
<td>Function or use category</td>
<td>Lubricants and additives</td>
</tr>
</tbody>
</table>

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : The mineral oils in the product contain < 3% DMSO extract (IP 346)

<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>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</td>
<td>(CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26</td>
<td>1 - 1,99</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</td>
<td>(CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26</td>
<td>(6,25 &lt;=C &lt; 100) Skin Irrit. 2, H315 (10 &lt;=C &lt; 12,5) Eye Irrit. 2, H319 (12,5 &lt;=C &lt; 100) Eye Dam. 1, H318</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16
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.

Symptoms/effects after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

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.

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

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.

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.

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

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.

Personal protective equipment symbol(s):
10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

15W40 SL/CF B4

Viscosity, kinematic 92 mm²/s @ 40°C

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>4,5 mg/l Oncorhynchus mykiss</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>46 mg/l Cyprinodon varietagus</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>23 mg/l</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>0,8 mg/l @21d</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 2</td>
<td>10000 mg/l @0,1d - Chlorophyta</td>
</tr>
<tr>
<td>EC50 72h algae (1)</td>
<td>21 mg/l @3d - Chlorophyta</td>
</tr>
<tr>
<td>NOEC (acute)</td>
<td>1,8 mg/l @4d - Oncorhynchus mykiss</td>
</tr>
<tr>
<td>NOEC (chronic)</td>
<td>10 mg/l @2d - Daphnia</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>0,4 mg/l @21d - Daphnia</td>
</tr>
<tr>
<td>NOEC chronic algae</td>
<td>10 mg/l @3d - Chlorophyta</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

15W40 SL/CF B4

Persistence and degradability Not soluble in water, so only minimally biodegradable.

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

Biodegradation 1,5 % @28d - OECD TG 301 B

12.3. Bioaccumulative potential

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

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
15W40 SL/CF B4
Safety Data Sheet

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

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

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
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable
15W40 SL/CF B4
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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
Reference to AwSV: Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
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: Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts is listed
SZW-lijst van mutagene stoffen: Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for the substance or the mixture by the supplier
### Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Supersedes</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Revision date</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>2.1</td>
<td>Classification according to Regulation (EC) No. 1272/2008 [CLP]</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td>EUH-statements</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td>Precautionary statements (CLP)</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td>Hazard statements (CLP)</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Composition/information on ingredients</td>
<td>Modified</td>
<td></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
- 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

### Other information:

- 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>Aquatic Chronic 2</th>
<th>Hazardous to the aquatic environment — Chronic Hazard, Category 2</th>
</tr>
</thead>
<tbody>
<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>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</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>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>EUH210</td>
<td>Safety data sheet available on request.</td>
</tr>
</tbody>
</table>
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.