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

1.1. Product identifier

Product form : Mixture
Product name : 5W40 SN/CF
Product code : 401300, 401301, 401302
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 : Used in closed systems

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 : EUH208 - Contains Calcium long chain alkarylsulphonate. May produce an allergic reaction.
Extra phrases : Safety data sheet available for professional user 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>
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<tbody>
<tr>
<td>Baseoil - unspecified</td>
<td>(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25</td>
<td>40 – 60</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased</td>
<td>(CAS-No.) 68784-26-9 (EC-No.) 272-234-3 (REACH-no) 01-2119524004-56</td>
<td>1 – 3</td>
<td>Aquatic Chronic 4, H413</td>
</tr>
<tr>
<td>Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts</td>
<td>(CAS-No.) 68784-31-6 (EC-No.) 272-238-5 (REACH-no) 01-2119657973-23</td>
<td>1 – 1,49</td>
<td>Eye Dam. 1, H318 Aquatic Chronic 2, H411</td>
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<tr>
<td>Bis(nonylphenyl)amine</td>
<td>(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28</td>
<td>1 – 1,49</td>
<td>Aquatic Chronic 4, H413</td>
</tr>
<tr>
<td>Calcium long chain alkaryl sulphonate</td>
<td>(CAS-No.) 722503-69-7</td>
<td>0,1 – 0,99</td>
<td>Aquatic Chronic 4, H413</td>
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<tr>
<td>Calcium long chain alkaryl sulphonate</td>
<td>(CAS-No.) 722503-68-6</td>
<td>0,1 – 0,99</td>
<td>Skin Sens. 1, H317 Aquatic Chronic 4, H413</td>
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<tr>
<td>Dodecylphenol, mixed isomers (branched)</td>
<td>(CAS-No.) 121158-58-5 (EC-No.) 310-154-3 (REACH-no) 01-2119513207-49</td>
<td>0,1 – 0,3</td>
<td>Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)</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/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.
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

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

Precautions for safe handling: Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.
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**

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 >480min 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):**

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**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
Relative density: No data available
Density: 858 kg/m³ @15°C
5W40 SN/CF

Safety Data Sheet

Solubility: Slightly soluble, the product remains on the water surface.

Partition coefficient n-octanol/water (Log Pow): No data available

Viscosity, kinematic: 83 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 (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Bis(nonylphenyl)amine (36878-20-3)

LD50 oral rat: > 5000 mg/kg OECD 401

LD50 dermal rat: > 2000 mg/kg OECD 402

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

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified
5W40 SN/CF
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<table>
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<td>Viscosity, kinematic</td>
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</table>

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Bis(nonylphenyl)amine (36878-20-3)

LC50 fish 1 > 100 mg/l OECD 203 (Danio rerio @96h)
EC50 Daphnia 1 > 100 mg/l OECD 202 (Daphnia magna)
EC50 72h algae (1) > 100 mg/l OECD 201 (Desmodesdus subspicatus)

12.2. Persistence and degradability

5W40 SN/CF

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

Bis(nonylphenyl)amine (36878-20-3)

Persistence and degradability Not readily biodegradable.
Biodegradation 1 % @28d

Dodecylphenol, mixed isomers (branched) (121158-58-5)

Biodegradation 25 % Sturm-test @28d

12.3. Bioaccumulative potential

Bis(nonylphenyl)amine (36878-20-3)

Partition coefficient n-octanol/water (Log Pow) > 7,6
Bioaccumulative potential Potential to bioaccumulate.

Dodecylphenol, mixed isomers (branched) (121158-58-5)

Bioconcentration factor (BCF REACH) 2,9 @27d
Partition coefficient n-octanol/water (Log Kow) 7,1 @0,1d

12.4. Mobility in soil

Bis(nonylphenyl)amine (36878-20-3)

Ecology - soil Adsorbs into the soil.

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

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<tbody>
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<tr>
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<tr>
<td>UN-No. (RID)</td>
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### 14.2. UN proper shipping name

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<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (RID)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Packing group (ADR)</th>
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<tbody>
<tr>
<td>Packing group (IMDG)</td>
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<td>Packing group (ADN)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group (RID)</td>
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</tr>
</tbody>
</table>

### 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 and the IBC Code

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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

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Baseoil - unspecified, Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased, Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, Dodecyphenol, mixed isomers (branched) are listed
SZW-lijst van mutagene stoffen : Baseoil - unspecified, Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased, Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts, Dodecyphenol, mixed isomers (branched) are 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 : Dodecylphenol, mixed isomers (branched) is listed

Denmark

Danish National Regulations : The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

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

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<tr>
<th>Indication of changes:</th>
<th>Section</th>
<th>Changed item</th>
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<th>Comments</th>
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<td>3</td>
<td>Composition/information on ingredients</td>
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</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.

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

Not classified

Full text of H- and EUH-statements:

Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4 Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1 Aspiration hazard, Category 1
Eye Dam. 1 Serious eye damage/eye irritation, Category 1
Repr. 1B Reproductive toxicity, Category 1B
Skin Corr. 1C Skin corrosion/irritation, Category 1C
Skin Sens. 1 Skin sensitisation, Category 1
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H360F May damage fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
EUH208 Contains Calcium long chain alkaryl sulphonate. May produce an allergic reaction.

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.