5W40 SN/CF C3
Safety Data Sheet


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

1.1. Product Identifier
Product form: Mixture
Product name: 5W40 SN/CF C3
Product code: 401306
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 Used in closed systems
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
vseo.contact.mailbox@valeo.com

1.4. Emergency telephone number
Emergency Number / Poison Center: +33 1 49 45 32 32 (business 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: EUH210 - Safety data sheet available on request
EUH208 - Contains C14-16-18 Alkylphenol. May produce an allergic reaction
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>
</table>
| Baseoil - unspecified | (CAS No) 72623-87-1
  (EC no) 276-38-4
  (EC index no) 949-483-00-5
  (REACH-no) 01-2119474889-13 | 40 - 60 | Asp. Tox. 1, H304                                              |
5W40 SN/CF C3
Safety Data Sheet

Bis(nonylphenyl)amine
(CAS No) 36878-20-3
(EC no) 253-249-4
(REACH-no) 01-2119488911-28
1 - 2.49
Aquatic Chronic 4, H413

C14-16-18 Alkylphenol
(REACH-no) 01-2119498288-19
1 - 2.49
Skin Sens. 1, H317
STOT RE 2, H373

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)
(EC no) 298-577-9
(REACH-no) 01-2119543726-33
0.1 - 0.99
Skin Irrit. 2, H315
Eye Dam. 1, H318
Aquatic Chronic 2, H411

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)</td>
<td>(EC no) 298-577-9</td>
<td>(6,25 &lt;= C &lt; 100) Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td>(REACH-no) 01-2119543726-33</td>
<td>(10 &lt;= C &lt; 12.5) Eye Irrit. 2, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(12.5 &lt;= C &lt;= 100) Eye Dam. 1, H318</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
**5W40 SN/CF C3**

**Safety Data Sheet**


**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.

**Storage temperature:**

- < 40 °C

**Storage area:**

- Store in dry, cool, well-ventilated area.

### 7.3. Specific end uses

No additional information available

**Processing**

- For specific conditions of use, please refer to the product label.

**Personal protective equipment**

- Safety glasses.
- Gloves.

**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.

### 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).

**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 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).

**Control parameters**

- Safety glasses. Gloves.

- 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.

### 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**

- > 220 °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**

- 855 kg/m³ @15°C

**Solubility**

- Slightly soluble, the product remains on the water surface.

**Log Pow**

- No data available

**Viscosity, kinematic**

- 84 mm²/s @ 40°C

**Viscosity, dynamic**

- No data available

**Explosive properties**

- No data available

**Oxidising properties**

- No data available
5W40 SN/CF C3
Safety Data Sheet

Explosive limits

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

Bis(nonylphenyl)amine (36878-20-3)
LD50 oral rat > 5000 mg/kg OECD 401
LD50 dermal rat > 2000 mg/kg OECD 402

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)
LD50 oral rat 2600 mg/kg 67/548/EEG annexe V
LD50 dermal rat > 3160 mg/kg OECD 402
LC50 inhalation rat (mg/l) > 2 mg/l 1h - OECD 403 - read across

Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin sensitisation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)

Based on available data, the classification criteria are not met

Aspiration hazard

5W40 SN/CF C3
Viscosity, kinematic 84 mm²/s @ 40°C

SECTION 12: Ecological information

12.1. Toxicity

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)

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)
LC50 fish 1 4,5 mg/l OECD 203 (Oncorhynchys mykiss) 96h
EC50 Daphnia 1 5,4 mg/l OECD 202 (Daphnia magna) 48h
EC50 other aquatic organisms 1 2,1 mg/l OECD 201 (Selenastrum capricornutum) 48h
12.2. Persistence and degradability

**5W40 SN/CF C3**

Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(nonylphenyl)amine (36878-20-3)</td>
<td>Not soluble in water, so only minimally biodegradable.</td>
</tr>
<tr>
<td>Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)</td>
<td>Not readily biodegradable.</td>
</tr>
</tbody>
</table>

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Biodegradation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(nonylphenyl)amine (36878-20-3)</td>
<td>1 % @28d</td>
</tr>
<tr>
<td>Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)</td>
<td>1,5 % OECD 301B 28d</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(nonylphenyl)amine (36878-20-3)</td>
<td>&gt; 7.6</td>
</tr>
</tbody>
</table>

Bioaccumulative potential: Potential to bioaccumulate.

12.4. Mobility in soil

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(nonylphenyl)amine (36878-20-3)</td>
<td>Adsorbs into the soil.</td>
</tr>
<tr>
<td>Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)</td>
<td>Adsorbs into the soil.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name (ADR)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (IMDG)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (IATA)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (ADN)</td>
<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)

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Transport hazard class(es) (ADR)</td>
</tr>
<tr>
<td>IMDG</td>
<td>Transport hazard class(es) (IMDG)</td>
</tr>
<tr>
<td>IATA</td>
<td>Transport hazard class(es) (IATA)</td>
</tr>
<tr>
<td>ADN</td>
<td>Transport hazard class(es) (ADN)</td>
</tr>
<tr>
<td>RID</td>
<td>Transport hazard class(es) (RID)</td>
</tr>
</tbody>
</table>

14.4. Packing group

Packing group (ADR): Not applicable
5W40 SN/CF C3
Safety Data Sheet

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 : Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) is listed
SZW-lijst van mutagene stoffen : Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) is listed
NIET-limietlof lijst van voor de voortplanting gifige stoffen – Borstvoeding : None of the components are listed
NIET-limietlof lijst van voor de voortplanting gifige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limietlof lijst van voor de voortplanting gifige stoffen – Ontwikkeling : None of the components are listed

Denmark
5W40 SN/CF C3
Safety Data Sheet


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

Recommendations Danish Regulation

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:

3 | Composition/information on ingredients | Modified
---|---------------------------------------|----------

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:

| 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 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Sensitisation — Skin, Category 1 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects |
| H413 | May cause long lasting harmful effects to aquatic life |
| EUH208 | Contains . May produce an allergic reaction |
| EUH210 | Safety data sheet available on request |
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.