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

1.1. Product identifier
Trade name or designation of the mixture
Husqvarna 4-Stroke OIL 10W-30 Transmission Oil
Registration number
None.
Synonyms
597 68 70-01 (1 L), 597 68 70-04 (4 L), 597 68 70-20 (200 L)
Product code
04-July-2019
Issue date
01
Revision number
- 
Supersedes date
- 

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses
Transmission oil.
Uses advised against
Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet
Company name
Husqvarna AB
Drottninggatan 2
561 82 Huskvarna, Sweden
Telephone
+46 (0)36-14 65 00
Contact person
Accessory Department
E-mail
sds.info@husqvarnagroup.com

1.4. Emergency telephone number
+1-760-476-3961 (Access code 333721)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Environmental hazards
Hazardous to the aquatic environment, long-term aquatic hazard
Category 3
H412 - Harmful to aquatic life with long lasting effects.

Hazard summary
Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects. Dangerous for the environment if discharged into watercourses.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms
None.
Signal word
None.

Hazard statements
H412
Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention
P273
Avoid release to the environment.
Response
Not assigned.
Storage
Not assigned.
Disposal
P501
Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information
EUH208 - Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, Triphenyl phosphite. May produce an allergic reaction.

2.3. Other hazards
This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>Index No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light paraffinic</td>
<td>25-50</td>
<td>64742-55-8 / 265-158-7</td>
<td>01-2119487077-29</td>
<td>649-468-00-3</td>
<td></td>
</tr>
<tr>
<td>Classification:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>L</td>
</tr>
<tr>
<td>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)</td>
<td>0.1-2.49</td>
<td>4259-15-8 / 224-235-5</td>
<td>01-2119493635-27</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Classification:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1; H318, Aquatic Chronic 2; H411</td>
</tr>
<tr>
<td>C14-18 alpha-olefin epoxide, reaction products with boric acid</td>
<td>0.1-0.99</td>
<td>-</td>
<td>01-2119976364-28</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Classification:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1B; H317</td>
</tr>
<tr>
<td>Triphenyl phosphite</td>
<td>0.1-0.15</td>
<td>101-02-0 / 202-908-4</td>
<td>01-2119511213-58</td>
<td>015-105-00-7</td>
<td></td>
</tr>
<tr>
<td>Classification:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4; H302, Skin Irrit. 2; H315, Skin Sens. 1; H317, Eye Irrit. 2; H319, Aquatic Acute 1; H400, Aquatic Chronic 1; H410</td>
</tr>
</tbody>
</table>

Composition comments
Mineral oil with additives. The mineral oils in the product contain <3% DMSO extract (IP 346).

SECTION 4: First aid measures

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact
Rinse with water. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed
Exposure may cause temporary irritation, redness, or discomfort.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards
No unusual fire or explosion hazards noted.

5.1. Extinguishing media
Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters
Special protective equipment for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid prolonged exposure. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or promptly disposed of.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

7.3. Specific end use(s)

Transmission oil.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General Population

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Assessment factor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-18 alpha-olefin epoxide, reaction products with boric acid (CAS -)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Dermal</td>
<td>8.3 mg/kg bw/day</td>
<td>600</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Long-term, Systemic, Inhalation</td>
<td>1.45 mg/m3</td>
<td>150</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Long-term, Systemic, Oral</td>
<td>0.83 mg/kg bw/day</td>
<td>600</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Oral</td>
<td>0.74 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Dermal</td>
<td>4.8 mg/kg bw/day</td>
<td>240</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Long-term, Systemic, Inhalation</td>
<td>1.67 mg/m3</td>
<td></td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Long-term, Systemic, Oral</td>
<td>0.19 mg/kg bw/day</td>
<td>600</td>
<td>Repeated dose toxicity</td>
</tr>
</tbody>
</table>

Workers

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Assessment factor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-18 alpha-olefin epoxide, reaction products with boric acid (CAS -)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Dermal</td>
<td>16.7 mg/kg bw/day</td>
<td>300</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Long-term, Systemic, Inhalation</td>
<td>5.88 mg/m3</td>
<td>75</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Dermal</td>
<td>1 mg/kg bw/day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Inhalation</td>
<td>2.7 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short-term, Local, Inhalation</td>
<td>5.6 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triphenyl phosphite (CAS 101-02-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Dermal</td>
<td>0.15 mg/kg bw/day</td>
<td></td>
<td></td>
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<tr>
<td>Long-term, Systemic, Inhalation</td>
<td>0.53 mg/m3</td>
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<td></td>
</tr>
<tr>
<td>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term, Systemic, Dermal</td>
<td>9.6 mg/kg bw/day</td>
<td>120</td>
<td>Repeated dose toxicity</td>
</tr>
<tr>
<td>Long-term, Systemic, Inhalation</td>
<td>6.6 mg/m3</td>
<td>30</td>
<td>Repeated dose toxicity</td>
</tr>
</tbody>
</table>
**Predicted no effect concentrations (PNECs)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Assessment factor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-18 alpha-olefin epoxide, reaction products with boric acid (CAS -)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshwater</td>
<td>0.2 mg/l</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Marine water</td>
<td>0.02 mg/l</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Secondary poisoning</td>
<td>33.3 mg/kg</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Sediment (freshwater)</td>
<td>8556 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sediment (marine water)</td>
<td>855.6 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soil</td>
<td>1706.3 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>100 mg/l</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary poisoning</td>
<td>9.33 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshwater</td>
<td>4 µg/l</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Marine water</td>
<td>4.6 µg/l</td>
<td>10000</td>
<td></td>
</tr>
<tr>
<td>Secondary poisoning</td>
<td>8.33 mg/kg</td>
<td>300</td>
<td>Oral</td>
</tr>
<tr>
<td>Sediment (freshwater)</td>
<td>0.322 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sediment (marine water)</td>
<td>0.032 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soil</td>
<td>0.062 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>3.8 mg/l</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

**Exposure guidelines**

Provide adequate ventilation.

### 8.2. Exposure controls

#### Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Individual protection measures, such as personal protective equipment

- **General information**
  
  Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

- **Eye/face protection**
  
  Wear safety glasses with side shields (or goggles). Eye protection should meet standard EN 166.

- **Skin protection**
  
  - **Hand protection**
    
    Wear appropriate chemical resistant gloves. Glove material: Nitrile rubber. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness 0.35 mm. Wear suitable gloves tested to EN374.
  
  - **Other**
    
    Wear suitable protective clothing.

- **Respiratory protection**

  In case of insufficient ventilation, wear suitable respiratory equipment.

- **Thermal hazards**

  Wear appropriate thermal protective clothing, when necessary.

### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Environmental exposure controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

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

**Appearance**

| Physical state | Liquid. |
| Form | Liquid. |
| Colour | Brown. |

**Odour**

Characteristic.

**Odour threshold**

No data available.

**pH**

Not applicable.

**Melting point/freezing point**

No data available.

**Initial boiling point and boiling range**

No data available.

**Flash point**

$> 200.0\, ^\circ\text{C} (> 392.0\, ^\circ\text{F})$ (ASTM D 92)

**Evaporation rate**

No data available.

**Flammability (solid, gas)**

Not applicable.
Upper/lower flammability or explosive limits

Flammability limit - lower (%)
No data available.

Flammability limit - upper (%)
No data available.

Vapour pressure
No data available.

Vapour density
No data available.

Relative density
0.866 (15.6 °C)

Solubility(ies)
Slightly soluble in water.

Partition coefficient (n-octanol/water)
No data available.

Auto-ignition temperature
No data available.

Decomposition temperature
No data available.

Viscosity
71 mm²/s (40°C)

Explosive properties
Not explosive.

Oxidising properties
Not oxidising.

9.2. Other information

Density
0.87 kg/m³ at 15°C

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Material is stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid
Contact with incompatible materials.

10.5. Incompatible materials
Strong oxidising agents.

10.6. Hazardous decomposition products
No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information
Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation
Prolonged inhalation may be harmful.

Skin contact
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact
Direct contact with eyes may cause temporary irritation.

Ingestion
May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms
Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>&gt; 16000 mg/kg</td>
<td></td>
</tr>
<tr>
<td><strong>Triphenyl phosphite (CAS 101-02-0)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Rabbit</td>
<td>2 - 5 g/kg, 24 Hours</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aerosol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Rat</td>
<td>&gt; 6.7 mg/l, 1 Hour</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>2 g/kg</td>
<td></td>
</tr>
</tbody>
</table>

Husqvarna 4-Stroke OIL 10W-30 Transmission Oil
949437     Version #: 01     Revision date: -     Issue date: 04-July-2019
### Components Test Results

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Zinc bis[O.O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg, 24 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>3100 mg/kg</td>
</tr>
</tbody>
</table>

**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. Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) [CAS 4259-15-8] was not an ocular irritant when tested as a 50% formulation in mineral oil.

**Respiratory sensitisation**

- Due to partial or complete lack of data the classification is not possible.

**Skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

- Due to partial or complete lack of data the classification is not possible.

**Reproductive toxicity**

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

**Specific target organ toxicity - single exposure**

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

**Specific target organ toxicity - repeated exposure**

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

**Aspiration hazard**

- No information available.

**Mixture versus substance information**

- Prolonged and repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

### SECTION 12: Ecological information

12.1. **Toxicity**

- Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C14-18 alpha-olefin epoxide, reaction products with boric acid (CAS -)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>Pseudokirchneriella subcapitata</td>
<td>&gt; 100 mg/l, 72 hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>Daphnia magna</td>
<td>&gt; 100 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>Oncorhynchus mykiss</td>
<td>&gt; 100 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td>Daphnia magna</td>
<td>10 mg/l, 21 days</td>
</tr>
</tbody>
</table>

**Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8)**

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>Rainbow trout (Oncorhynchus mykiss)</td>
<td>4.4 mg/l, 96 hours</td>
</tr>
<tr>
<td>NOEC</td>
<td>Rainbow trout (Oncorhynchus mykiss)</td>
<td>3.2 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

12.2. **Persistence and degradability**

- The product is expected to be biodegradable.

12.3. **Bioaccumulative potential**

- No data available.

**Partition coefficient n-octanol/water (log Kow)**

- Not available.

**Bioconcentration factor (BCF)**

- Not available.

12.4. **Mobility in soil**

- No data available.

12.5. **Results of PBT and vPvB assessment**

- This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. **Other adverse effects**

- Oil spills are generally hazardous to the environment.

### SECTION 13: Disposal considerations

13.1. **Waste treatment methods**
Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions
Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR
14.1. - 14.6.: Not regulated as dangerous goods.

RID
14.1. - 14.6.: Not regulated as dangerous goods.

ADN
14.1. - 14.6.: Not regulated as dangerous goods.

IATA
14.1. - 14.6.: Not regulated as dangerous goods.

IMDG
14.1. - 14.6.: Not regulated as dangerous goods.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

SECTION 15: Regulatory information

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

EU regulations
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
  Not listed.
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
  Not listed.
  Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8)
  Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
  Not listed.

Authorisations
- Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
  Not listed.

Restrictions on use
- Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
  Not listed.
- Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.
  Not listed.

Other EU regulations
- Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
  Not listed.
The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

PBT: Persistent, bioaccumulative and toxic.

vPvB: Very Persistent and very Bioaccumulative.

References

ECHA CHEM

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H302 Harmful if swallowed.

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.

H319 Causes serious eye irritation.

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.

Follow training instructions when handling this material.

Husqvarna AB cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.