1. Chemical and company identification

Name of chemical (Product name)  
Husqvarna Vegoil

Manufacturer/Supplier  
Husqvarna AB

Address  
Drottninggatan 2

Telephone  
+46 (0)36-14 65 00

Contact person  
Accessory Department

E-mail  
sds.info@husqvarna.se

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

Product code  
544 04 51-01 (1L.), 531 00 75-78 (5L.), 531 00 75-77 (20L.), 531 00 75-79 (200L)

Recommended use of the chemical and restrictions on use

Intended use  
Vegetable chain/lubricating oil for chainsaws and logging machinery.

Restrictions on use  
Use in accordance with supplier's recommendations.

2. Hazards identification

GHS classification

The product is not classified according to GHS.

GHS label elements

Symbols  
None.

Signal words  
None.

Hazard statement  
Not assigned.

Precautionary statement

Prevention  
Not assigned.

Response  
Not assigned.

Storage  
Not assigned.

Disposal  
Not assigned.

Main symptoms and emergency overview

Main symptoms  
May cause eye irritation on direct contact. Defatting of the skin. Dermatitis. Ingestion may cause irritation and malaise. In high concentrations, mists/vapors may irritate throat and respiratory system and cause coughing.

3. Composition/information on ingredients

Substance or mixture  
Mixture

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Gazette notification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oils, vegetable</td>
<td>68956-68-3</td>
<td></td>
</tr>
</tbody>
</table>

Composition comments  
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First aid measures

If inhaled  
Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.

If on skin  
Wash with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions. If high pressure injection under the skin occurs, always seek medical attention.

If in eyes  
Flush eyes immediately with large amounts of water. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation develops and persists.

If swallowed  
Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur. Get immediate medical attention.

Most important symptoms/effects, acute and delayed  
May cause eye irritation on direct contact. Defatting of the skin. Dermatitis. Ingestion may cause irritation and malaise. In high concentrations, mists/vapors may irritate throat and respiratory system and cause coughing.
Protection of first-aid responders
If you feel unwell, seek medical advice (show the label where possible).

Notes to physician
Provide general supportive measures and treat symptomatically. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Symptoms may be delayed. HIGH PRESSURE SKIN INJECTION: Physician must be familiar with local procedures for treatment of this type of wound; incision, irrigation, removal of all necrotic tissue and open wound dressing.

5. Fire-fighting measures
Extinguishing media
Foam. Dry powder. Carbon dioxide (CO2). Water fog.
Extinguishing media to avoid
Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards
By heating and fire, irritating vapors/gases may be formed.
Special fire fighting procedures
Move container from fire area if it can be done without risk. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out.
Protection of fire-fighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
General fire hazards
Heating may generate vapors which may form explosive vapor/air mixtures. Material will float and can be re-ignited on surface of water.

6. Accidental release measures
Personal precautions, protective equipment and emergency measures
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). In case of spills, beware of slippery floors and surfaces. Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not allow to enter drains, sewers or watercourses. Environmental manager must be informed of all major releases.
Methods or materials for containment and cleaning up
Remove sources of ignition. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.
Small Spills: Wipe up spilled material and place in a suitable container for disposal. Clean surface thoroughly to remove residual contamination.
Never return spills in original containers for re-use.

7. Handling and storage
Handling
Technical measures (e.g. Local and general ventilation)
Use only in well-ventilated areas.
Safe handling advice
Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of oil mist and contact with skin and eyes. Be aware of potential for surfaces to become slippery.
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. When using, do not eat, drink or smoke. Launder contaminated clothing before reuse. Private clothes and working clothes should be kept separately.
Storage
Safe storage conditions
Keep away from ignition, flame and heat sources. Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Store locked up.
Safe packaging materials
Keep in original container.

8. Exposure controls/personal protection
Occupational exposure limits
No exposure limits noted for ingredient(s).
Engineering measures
Provide adequate ventilation and minimize the risk of inhalation of vapors and oil mist. Use explosion-proof equipment. Provide easy access to water supply and eye wash facilities.
Personal protective equipment
Respiratory protection
In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with particulate filter and organic vapor cartridges can be used. Wear air-supplied mask in confined areas. Seek advice from local supervisor.
Hand protection
Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
Eye protection
Risk of contact: Wear safety glasses with side shields (or goggles).
9. Physical and chemical properties

**Appearance**
Yellow to yellowish brown liquid.

**Physical state**
Liquid.

**Form**
Liquid.

**Color**
Yellow to yellowish brown.

**Odor**
Rapeseed oil-like. Slight.

**pH**
Not available.

**Melting point/Freezing point**
Not available.

**Boiling point, initial boiling point, and boiling range**
Not available.

**Flash point**
446.0 °F (230.0 °C)

**Combustion characteristics (solid, gas)**
Not applicable.

**Upper/lower flammability or explosive limits**
- Flammability limit - lower (%)
  - Not available.
- Flammability limit - upper (%)
  - Not available.

**Vapor pressure**
Not available.

**Vapor density**
Not available.

**Evaporation rate**
Not available.

**Solubility(ies)**
- Solubility (water)
  - Insoluble.
- Partition coefficient (n-octanol/water)
  - Not available.

**Auto-ignition temperature**
Not available.

**Decomposition temperature**
Not available.

**Viscosity (Coefficient of viscosity)**
16 mm²/s (100 °C)
70 mm²/s (40 °C)

**Other information**
- Explosive properties
  - Not available.
- Oxidizing properties
  - Not oxidizing.
- Pour point
  - Pourable after 96 hours at -30 °C.

10. Stability and reactivity

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

**Chemical stability**
Material is stable under normal conditions.

**Possibility of hazardous reactions**
Hazardous polymerization does not occur.

**Conditions to avoid**
Heat, sparks, flames, elevated temperatures. Contact with incompatible materials.

**Incompatible materials**
Strong oxidizing agents.

**Hazardous decomposition products**
By heating and fire, irritating vapors/gases may be formed. Carbon oxides.

11. Toxicological information

**Acute toxicity**
May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Husqvarna Vegoil (CAS Mixture)</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; 4000 mg/kg, (OECD 402)</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg, (OECD 401)</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.</td>
<td></td>
</tr>
<tr>
<td>Skin irritation test (rabbit): Not irritating (OECD 404).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Serious eye damage/eye irritation
- Direct contact with eyes may cause temporary irritation.
- Eye irritation test (rabbit): Not irritating (OECD 405).

Respiratory or skin sensitization
- Respiratory sensitization: No data available.
- Skin sensitization: No data available.

Germ cell mutagenicity
- Ames test: Negative.

Carcinogenicity
- Not classified.

Reproductive toxicity
- No data available.

Specific target organ toxicity - single exposure
- High concentrations: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
- No data available.

Aspiration hazard
- Not classified, however droplets of the product may be aspirated into the lungs through ingestion or vomiting and may cause a serious chemical pneumonia.

Other information
- No other specific acute or chronic health impact noted.

12. Ecological information
Ecotoxicity
- The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability
- The product is readily biodegradable. BOD: > 95% / 21 days (CEC L-33-A-93).

Bioaccumulation
- No data available.

Mobility in soil
- The product is insoluble in water and will spread on water surfaces.

Hazardous to the ozone layer
- No data available.

Other hazardous effects
- Oil spills are generally hazardous to the environment.

13. Disposal considerations
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
- Empty containers should be taken to an approved waste handling site for recycling or disposal.

Local disposal regulations
- Dispose in accordance with all applicable regulations. This material and/or its container must be disposed of as hazardous waste.

14. Transport information
IATA
- Not regulated as dangerous goods.

IMDG
- Not regulated as dangerous goods.

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

National regulations
- Follow regulation in section 15 for domestic transportation.

15. Regulatory information
Industrial Safety and Health Act
- Notifiable substances: Not regulated.
- Labeling substances: Not regulated.

Poisonous and Deleterious Substances Control Act
- Specified poisonous substances: Not regulated.
- Poisonous substances: Not regulated.
- Deleterious substances: Not regulated.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
- Class I specified chemical substances: Not regulated.
- Class II specified chemical substances: Not regulated.
Monitoring chemical substances
Not regulated.

Priority Assessment Chemical Substances (PACs)
Not regulated.

Law concerning Pollutant Release and Transfer Register
Specified class 1 substances (substance name, ordinance number and content)
Not regulated.
Class 1 substances (substance name, ordinance number and content)
Not regulated.
Class 2 substances (substance name, ordinance number and content)
Not regulated.

Fire Service Act
Class 4 Animal fat and plant oils Hazard rank III

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule
Not regulated.

Air Law, Enforcement Rule
Not regulated.

Explosives Control Act
Not regulated.

16. Other information

Bibliography
HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)
JIS Z 7250: 2005 Safety data sheet for chemical products-Part 1:Content and order of sections
JCIA GHS Guideline, October 2008
Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits

This safety data sheet was prepared in accordance with the Safety Data Sheet for Chemical Products (JIS Z 7250:2005). The information in the sheet was written based on the best knowledge and experience currently available.