

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.
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3. Composition/information on ingredients

Substance or mixture	Mixture
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Gazette notification

Components	CAS Number	ENCS no.	ISHL no.	Concentration (%)
Oils, vegetable	68956-68-3			100

Composition comments	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
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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 (CO ₂). 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).

Skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact.

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 mm ² /s (100 °C) 70 mm ² /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.

Product	Species	Test Results
Husqvarna Vegoil (CAS Mixture)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 4000 mg/kg, (OECD 402)
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, (OECD 401)
Skin corrosion/irritation		
		Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Skin irritation test (rabbit): Not irritating (OECD 404).

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.