

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

Husqvarna 2-Stroke Oil Guard

of the mixture

Registration number -

Synonyms None.

Product code 544 97 65-01 (1L), 544 97 65-02 (0,1L)

Issue date 29-August-2012

Version number 02

Revision date 18-December-2012 Supersedes date 29-August-2012

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses 2-Stroke oil.

Uses advised against Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet

Supplier

Company nameHusqvarna ABAddressDrottninggatan 2Telephone036-14 65 00

e-mail sds.info@husqvarna.se
Contact person Accessory Department

1.4. Emergency telephone +1-760-476-3961
number (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 Directive 67/548/EEC or 1999/45/EC as amended

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

The full text for all R-phrases is displayed in section 16.

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Not classified for health hazards.

Environmental hazards Not classified for hazards to the environment.

Specific hazards May be irritating to the skin. May cause eye irritation on direct contact. May form vapours or oil

mists during mechanical action or at elevated temperatures which may be irritating to respiratory tract. Vapours may cause drowsiness and dizziness. Prolonged exposure to oil mist may cause pulmonary disease such as chronic inflammation. Prolonged and repeated contact with used oil

may cause serious skin diseases, such as dermatitis and skin cancer.

Main symptoms May cause redness and pain. Defatting of the skin. Dermatitis. May cause eye irritation on direct

contact. Ingestion may cause irritation and malaise. Vapours may cause drowsiness and dizziness. In high concentrations, mists/vapors may irritate throat and respiratory system and

cause coughing.

2.2. Label elements

Label according to Directive 67/548/EEC or 1999/45/EC as amended

R-phrases None.
S-phrases None.
Authorization number None.

Supplemental label information Not applicable.

2.3. Other hazardsNot a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Highly refined mineral oil (DMSO-extract < 3% IP 346	6)	> 50	<u>-</u> -	-	-	
Classification: D	SD:	-				
CLP:	LP:	-				
Distillates (petroleum), hydr light	otrea	ted 10 - 15	64742-47-8 265-149-8	-	649-422-00-2	
Classification: D	SD:	Xn;R65, R66				
c	LP:	Asp. Tox. 1;H30)4			
Hydrocarbyl amine		1 - 5	Polymer	-	-	
Classification: D	SD:	R52/53	-			
C	LP:	Aquatic Chronic	3;H412			

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

Composition comments

The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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. If breathing is difficult, give oxygen. Call a physician if symptoms develop or

persist.

Skin contact Immediately remove contaminated clothing. Wash with soap and water. Continue to rinse for at

least 15 minutes. 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.

Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open

eyelids wide apart. If irritation persists: Continue flushing during transport to hospital. Take along

these instructions.

Ingestion 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 immediate medical

attention.

4.2. Most important symptoms and effects, both acute and

delayed

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

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

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.

SECTION 5: Firefighting measures

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.

5.1. Extinguishing media

Suitable extinguishing

media

Foam. Dry powder. Carbon dioxide (CO2). Water fog.

Husqvarna 2-Stroke Oil Guard SDS EU

906396 Version No.: 02 Revision date: 18-December-2012 Issue date: 29-August-2012

^{#:} This substance has been assigned Community workplace exposure limit(s).

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

By heating and fire, irritating vapours/gases 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. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). In case of spills, beware of slippery floors and surfaces. Avoid breathing mist or vapour. Avoid contact with skin and eyes. Wear protective clothing as described in section 8 of this safety data sheet.

For emergency responders

Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. 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.

6.3. Methods and material 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: Absorb spillage with non-combustible, absorbent material. Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Heating will generate vapours which may form explosive vapour/air mixtures. Ground container and transfer equipment to eliminate static electric sparks. Use only in well-ventilated areas. Avoid breathing mists or vapours. Avoid contact with skin, eyes and clothing. Wear protective clothing as described in Section 8 of this safety data sheet. Wash contaminated clothing before reuse. Be aware of potential for surfaces to become slippery. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s) 2-Stroke oil.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium. Exposure Limit Values.

Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.	
Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	STEL	10 mg/m3	Mist.	
, ,	TWA	5 mg/m3	Mist.	

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Туре	Value	
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	300 mg/m3	
Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	TWA	5 mg/m3	

Czech Republic. OELs. Government Decree 361

Components	Туре	Value	Form
ighly refined mineral oil DMSO-extract < 3% IP 46) (CAS -)	Ceiling	10 mg/m3	Aerosol
, (6/.16)	TWA	5 mg/m3	Aerosol
enmark. Exposure Limit Values			
components	Туре	Value	Form
lighly refined mineral oil DMSO-extract < 3% IP 46) (CAS -)	TLV	1 mg/m3	Mist.
inland. Workplace Exposure Lim	nits		
Components	Туре	Value	Form
Distillates (petroleum), ydrotreated light (CAS 4742-47-8)	TWA	500 mg/m3	
lighly refined mineral oil DMSO-extract < 3% IP 46) (CAS -)	TWA	5 mg/m3	Mist.
Germany. DFG MAK List (advisor n the Work Area (DFG)	y OELs). Commission for the l	nvestigation of Health Hazard	ds of Chemical Compou
Components	Туре	Value	
Distillates (petroleum), ydrotreated light (CAS 4742-47-8)	TWA	140 mg/m3	
71172 71 0)		20 ppm	
Greece. OELs (Decree No. 90/199	9, as amended)		
Components	Туре	Value	Form
lighly refined mineral oil DMSO-extract < 3% IP 46) (CAS -)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree on (Chemical Safety of Workplaces	;	
Components	Туре	Value	Form
lighly refined mineral oil DMSO-extract < 3% IP 46) (CAS -)	Ceiling	5 mg/m3	Mist.
celand. OELs. Regulation 154/19	99 on occupational exposure li	mits	
Components	Туре	Value	Form
Highly refined mineral oil DMSO-extract < 3% IP 846) (CAS -)	TWA	1 mg/m3	Mist.
reland. Occupational Exposure L	imits		
Components	Туре	Value	Form
Highly refined mineral oil DMSO-extract < 3% IP 846) (CAS -)	TWA	0,2 mg/m3	Inhalable fraction.
taly. OELs			
Components	Туре	Value	Form
Highly refined mineral oil DMSO-extract < 3% IP 46) (CAS -)	TWA	5 mg/m3	Inhalable fraction.
atvia. OELs. Occupational expos	sure limit values of chemical su	ubstances in work environme	ent
Components	Туре	Value	
	TWA	5 mg/m3	

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)

TWA	Components	Туре	Value	Form
Highly refined mineral oil (DMSO-extract < 3% IP 9	Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	STEL	500 mg/m3	
DMSO-extract < 3% IP 346) (CAS -)	,	TWA	350 mg/m3	
TWA	(DMSO-extract < 3% IP	STEL	3 mg/m3	Fume and mist.
Type		TWA	1 mg/m3	Fume and mist.
-Highly refined mineral oil TWA 5 mg/m3 Mist. DNoKOVAY, Administrative Norms for Contaminants in the Workplace Components Type Value Form Spitializates (pertorleum), TLV 275 mg/m3 Mist. DNoKOVAY, Administrative Norms for Contaminants in the Workplace Components Type Value Form Spitializates (pertorleum), TLV 275 mg/m3 Mist. DNoKOVAY, 275 mg/m3 Mist. DNOK	Netherlands. OELs (binding)			
Highly refined mineral oil (DMSO-extract < 3% IP 940) (CAS -9) Norway, Administrative Norms for Contaminants in the Workplace Components Type Value Form TLV 275 mg/m3 Nist. Walve Form TLV 275 mg/m3 Nist. 40 ppm Highly refined mineral oil (DMSO-extract < 3% IP 940) (CAS -9) Norway, Administrative Norms for Contaminants in the Workplace TLV 1 mg/m3 Mist. 40 ppm Highly refined mineral oil (DMSO-extract < 3% IP 940) (CAS -9) Norway, Administrative Normand Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment Type Value Form Type Value Form Distillates (petroleum), STEL 300 mg/m3 Norriversheated light (CAS 64742-47-8) Fighly refined mineral oil STEL 10 mg/m3 Aerosol (DMSO-extract < 3% IP 9446) (CAS -9) Formugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796) Components Type Value Form Prorrugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796) Components Type Value Form Prorrugal. Office of the mineral oil STEL 10 mg/m3 Aerosol Components Type Value Form Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value Form Highly refined mineral oil STEL 10 mg/m3 Stovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents Components Type Value Form Highly refined mineral oil TWA 1 mg/m3 Fume and mist. Stovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents Components Type Value Form Fighly refined mineral oil TWA 1 mg/m3 Fume and mist. Spain. Occupational Exposure Limits Components Type Value Form Fighly refined mineral oil TWA 1 mg/m3 Fume and mist. Spain. Occupational Exposure Limits Components Type Value Form Fighly refined mineral oil TWA 1 mg/m3 Mist.	Components	Type	Value	Form
Norway. Administrative Norms for Contaminants in the Workplace Components Type Value Form Distillates (petroleum), TLV 275 mg/m3 yellor (CAS) Norvicroleated light (CAS) 84742-47-8) Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) Poland. MACS. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment Components Type Value Form Distillates (petroleum), STEL 300 mg/m3 yellor (CAS -) Norwing Environment TWA 100 mg/m3 Aerosol (DMSO-extract < 3% IP 346) (CAS -) TWA 100 mg/m3 Aerosol (DMSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol Components Type Value Form Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol Norwing Environment Type Value Form TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Fume and mist. NORSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Fume and mist. NORSO-extract < 3% IP 346) (CAS -) TWA 1 mg/m3 Fume and mist. NORSO-extract < 3% IP 346) (CAS -) Spain. Occupational Exposure Limits Components Type Value Form Highly refined mineral oil (OMSO-extract < 3% IP 346) (CAS -) Spain. Occupational Exposure Limits Components Type Value Form Highly refined mineral oil (OMSO-extract < 3% IP 346) (CAS -)	Highly refined mineral oil (DMSO-extract < 3% IP		5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	, , , ,	r Contaminants in the Workpla	ace	
Distillates (petroleum)	Components	Type	Value	Form
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Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment Components Type Value Form STEL 300 mg/m3 Distillates (petroleum), STEL 300 mg/m3 Highly refined mineral oil (DMSO-extract < 3% IP) 346) (CAS -) TWA 100 mg/m3 Aerosol TWA 100 mg/m3 Aerosol Description of Maximum Allowable Concentrations and Intensities in Moreor Maximum Alexandrations and Intensities in I	(DMSO-extract < 3% IP	TLV	• •	Mist.
Components Type Value Form	Poland. MACs. Minister of Labou	r and Social Policy Regarding	Maximum Allowable Concent	rations and Intensities in
Distillates (petroleum), STEL 300 mg/m3 300 mg	_	Tyne	Value	Form
TWA	Distillates (petroleum), hydrotreated light (CAS			1 01111
DMSO-extract < 3% P 346) (CAS -) TWA 5 mg/m3 Aerosol	54142 41 0)	TWA	100 mg/m3	
Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796) Components Type Value Form Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Aerosol Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 STEL 10 mg/m3 (DMSO-extract < 3% IP 346) (CAS -) TWA 5 mg/m3 Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents Components Type Value Form Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) 5 ppm Fume and mist. Spain. Occupational Exposure Limits Components Type Value Form Fume and mist. Spain. Occupational Exposure Limits Components Type Value Form Fume and mist. Spain. Occupational Exposure Limits Components Type Value Form Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	(DMSO-extract < 3% IP	STEL	10 mg/m3	Aerosol
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Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) Spain. Occupational Exposure Limits Components Type Value Form Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -) STEL 10 mg/m3 Mist. Mist.	Slovakia. OELs. Decree of the go [.] agents	vernment of the Slovak Repub	lic concerning protection of h	nealth in work with chemical
(DMSO-extract < 3% IP 346) (CAS -) 5 ppm Fume and mist. Spain. Occupational Exposure Limits Components Type Value Form Highly refined mineral oil STEL 10 mg/m3 Mist. (DMSO-extract < 3% IP 346) (CAS -)	Components	Туре	Value	Form
Spain. Occupational Exposure Limits Components Type Value Form Highly refined mineral oil STEL 10 mg/m3 Mist. (DMSO-extract < 3% IP 346) (CAS -)	Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	TWA	1 mg/m3	Fume and mist.
ComponentsTypeValueFormHighly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	• • • • • • • • • • • • • • • • • • •	. 4	5 ppm	Fume and mist.
Highly refined mineral oil STEL 10 mg/m3 Mist. (DMSO-extract < 3% IP 346) (CAS -)				_
(DMSO-extract < 3% IP 346) (CAS -)	-			
	Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	STEL	10 mg/m3	Mist.
	J J, (J J)	TWA	5 mg/m3	Mist.

Sweden. Occupational Exposure Limit Values

Components	Туре	Value	Form
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	STEL	500 mg/m3	
· · · · · · · · · · · · · · · · · · ·	TWA	350 mg/m3	
Highly refined mineral oil (DMSO-extract < 3% IP 346) (CAS -)	STEL	3 mg/m3	Mist.
0+0) (O/10)	TWA	1 mg/m3	Mist.

Biological limit values

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

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no-effect level (DNEL)

Not available.

Predicted no effect

concentrations (PNECs)

Not available

8.2. Exposure controls

Appropriate engineering

controls

Provide adequate ventilation and minimise the risk of inhalation of vapours. Use explosion-proof

equipment. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

General information Personal protective equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment.

Eye/face protection

Risk of contact: Wear safety glasses with side shields (or goggles).

Skin protection

- 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.

Other Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment

with combination filter (type A2/P2) can be used. Wear air-supplied mask in confined areas. Seek

advice from local supervisor.

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. When using, do not eat, drink or smoke. Launder contaminated clothing before reuse. Private clothes and working clothes should be kept

separately.

Environmental exposure

controls

Environmental manager must be informed of all major spillages.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Blue liquid.
Physical state Liquid.
Form Liquid.
Colour Blue.

Odour Organic solvents.

Odour threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point > 75 °C (> 167 °F)

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Not available. Vapour pressure Vapour density Not available.

Relative density 0,871 (approximate) (15 °C)

Solubility(ies) Negligible.

Partition coefficient (n-octanol/water)

Log Kow: >3 (Estimated).

Not available. **Auto-ignition temperature Decomposition temperature** Not available.

45 mm2/s (approximate) (40 °C) **Viscosity**

Explosive properties Not available. Oxidizing properties Not oxidizing.

9.2. Other information No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity The product is 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 Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Heat, sparks, flames, elevated temperatures. Contact with incompatible materials.

10.5. Incompatible materials

Strong oxidising agents. Strong acids.

10.6. Hazardous

By heating and fire, irritating vapours/gases may be formed. Carbon oxides.

decomposition products

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Ingestion may cause irritation and malaise. Ingestion may result in vomiting; aspiration (breathing) Ingestion

of vomitus into lungs must be avoided as even small quantities may result in aspiration

pneumonitis.

Inhalation Vapours may cause drowsiness and dizziness. Breathing of high concentrations may cause

dizziness, light-headedness, headache, nausea and loss of co-ordination. Continued inhalation

may result in unconsciousness.

Skin contact May be irritating to the skin. Prolonged or repeated contact may dry skin and cause dermatitis.

Eye contact Direct contact with eyes may cause temporary irritation.

May cause redness and pain. Defatting of the skin. Dermatitis. May cause eye irritation on direct **Symptoms**

contact. Ingestion may cause irritation and malaise. Vapours may cause drowsiness and dizziness. In high concentrations, mists/vapors may irritate throat and respiratory system and

cause coughing.

11.1. Information on toxicological effects

May irritate and cause stomach pain, vomiting, diarrhoea and nausea. Human evidence indicates **Acute toxicity**

that the product has very low acute oral, dermal or inhalation toxicity. However, it can produce severe injury if taken into the lung as a liquid, and there may be profound central nervous system

depression following prolonged exposure to high levels of vapour.

Skin corrosion/irritation May be irritating to the skin. Frequent or prolonged contact may defat and dry the skin, leading to

discomfort and dermatitis.

Serious eye damage/irritation Direct contact with eyes may cause temporary irritation.

Respiratory sensitisation No data available. Skin sensitisation No data available.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Not classified. Carcinogenicity Reproductive toxicity No data available.

Specific target organ toxicity -

single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity -No data available.

repeated exposure

SDS EU Husqvarna 2-Stroke Oil Guard

906396 Version No.: 02 Revision date: 18-December-2012 Issue date: 29-August-2012 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.

Mixture versus substance

information

Not available.

Other 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 organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and

degradability

Expected to biodegrade slowly.

12.3. Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient

n-octanol/water (log Kow)

Log Kow: >3 (Estimated).

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil The product adsorbs strongly to soil.

Mobility in general The product is insoluble in water. It will spread on the water surface while some of the

components will eventually sediment in water systems. The volatile components of the product will

spread in the atmosphere.

12.5. Results of PBT

and vPvB assessment

Not a PBT or vPvB substance or mixture.

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

EU waste code

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

The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Dispose in accordance with all applicable regulations. This material and/or its container must be

disposed of as hazardous waste.

SECTION 14: Transport information

ADR

The product is not covered by international regulation on the transport of dangerous goods.

RID

The product is not covered by international regulation on the transport of dangerous goods.

ADN

The product is not covered by international regulation on the transport of dangerous goods.

IATA

The product is not covered by international regulation on the transport of dangerous goods.

IMDG

The product is not covered by international regulation on the transport of dangerous goods.

14.7. Transport in bulk

Not applicable

according to Annex II of MARPOL 73/78 and the IBC

Code

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

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

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

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)

Directive 94/33/EC on the protection of young people at work

Not listed.

Other regulations The product is classified and labelled in accordance with EC directives or respective national

laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations 15.2. Chemical safety Follow national regulation for work with chemical agents. No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

List of abbreviations DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References HSDB® - Hazardous Substances Data Bank

Registry of Toxic Effects of Chemical Substances (RTECS) ESIS (European chemical Substances Information System)

Information on evaluation method leading to the classification of mixture

The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

available. For details, refer to Sections 9, 11 and 12.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

environment.
R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

H304 - May be fatal if swallowed and enters airways. H412 - Harmful to aquatic life with long lasting effects.

Training information Follow training instructions when handling this material.

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

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Disclaimer The information in the sheet was written based on the best knowledge and experience currently

available