SAFETY DATA SHEET



1. Identification

Product identifier Husqvarna HP 2 Stroke Oil

Other means of identification

Product code 593183503, 593152604, 593271903, 593152601, 593271901, 593183502, 593152602,

593271902, 593152603, 593152605, 593183501, 593152606, 593152607

Recommended use Engine oil.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier Husqvarna Group

Address 9335 Harris Corners Parkway

Charlotte, NC 28269

USA

Telephone number 800-487-5951

Emergency telephone

number

+1-760-476-3961 (Access code 333721)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number		
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	> 60	
Distillates (pertroluem), hydrotreated light	64742-47-8	> 15	
Fatty acid amide	Proprietary <		
Mineral oil	Various < 1.5		

Composition comments The specific chemical identity and/or exact percentage of component(s) have been withheld as a

trade secret.

All concentrations are in percent by weight. Components not listed are either non-hazardous or are

below reportable limits.

IP346 method DMSO extract for base oil substances: <3.0%.

Husqvarna HP 2 Stroke Oil SDS US

4. 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.

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

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important

symptoms/effects, acute and

delayed

Direct contact with eyes may cause temporary irritation. Repeated exposure may cause skin

dryness or cracking.

Indication of immediate medical attention and special

treatment needed

Treat symptomatically.

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

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Foam. Dry chemical powder. Carbon dioxide (CO2).

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

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters During fire, gases hazardous to health may be formed. Do not direct solid water stream or foam into hot, burning pools; this may cause frothing and increase fire intensity.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. Do not point solid water stream directly into burning oil to

avoid spreading.

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

Will burn if involved in a fire. General fire hazards

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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 personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up 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. Clean contaminated area with oil-removing material.

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

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid direct contact with eyes and prolonged skin exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. The handling temperature should not exceed 140°F/60°C. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Product	Туре	Value	Form
OIL MIST (MINERAL)	PEL	5 mg/m3	Mist.

Husqvarna HP 2 Stroke Oil SDS US

US. ACGIH Threshold Limit Values				
Product	Туре	Value	Form	
OIL MIST (MINERAL)	TWA	5 mg/m3	Inhalable fraction.	
US. NIOSH: Pocket Guide to Ch	emical Hazards			
Product	Туре	Value	Form	
OIL MIST (MINERAL)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	

Biological limit values

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

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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. Provide

easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves. Nitrile or neoprene gloves are recommended. Be Hand protection

aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can

be recommended by the glove supplier.

Skin protection

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Protective clothing should be chemical/oil resistant.

If engineering controls do not maintain airborne concentrations below recommended exposure Respiratory protection

limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR

1910.134; or in Canada with CSA Standard Z94.4.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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.

9. Physical and chemical properties

Appearance

Liquid. **Physical state Form** Clear liquid. Color Blue. Petroleum. Odor **Odor threshold** Not available. Not available. Not available. Melting point/freezing point Initial boiling point and boiling Not available.

range

Flash point 201.2 °F (94.0 °C) Cleveland Open Cup

Evaporation rate Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available. Vapor pressure Not available. Vapor density Not available. Relative density Not available.

Solubility(ies)

Solubility (water) Negligible.

Husqvarna HP 2 Stroke Oil SDS US **Solubility (other)** Miscible in most petroleum solvents.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 30.7 cSt

Viscosity temperature 104 °F (40 °C)

Other information

Explosive properties Not explosive. **Oxidizing properties** Not oxidizing.

10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials. Keep away from heat, sparks and open flame.

Incompatible materials Strong oxidizing agents. Acids.

Hazardous decomposition

products

Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterized. Sulfur dioxide. Nitrogen oxides.

Hydrocarbons. Aldehydes.

11. Toxicological information

Information on likely routes of exposure

Inhalation Inhalation of oil mist or vapors formed during heating of the product will irritate the respiratory

system and provoke coughing. Prolonged inhalation may be harmful.

Skin contactRepeated exposure may cause skin dryness or cracking. **Eye contact**Direct contact with eyes may cause temporary irritation.

Ingestion May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation. Repeated exposure may cause skin

dryness or cracking.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Product Species Test Results

Husqvarna HP 2 Stroke Oil (CAS Mixture)

Acute Dermal

LD50 > 5000 mg/kg

Inhalation Vapor

LD50 > 20 mg/l

Oral

LD50 > 5000 mg/kg

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking. **Serious eye damage/eye** Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

Husqvarna HP 2 Stroke Oil SDS US

942475 Version #: 01 Revision date: - Issue date: 02-March-2018

IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates (petroleum), hydrotreated heavy paraffinic 3 Not classifiable as to carcinogenicity to humans.

(CAS 64742-54-7)

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

Further information Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma

formation, inflammation and increased incidence of infection in the respiratory tract.

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

This product is partially biodegradable.

Bioaccumulative potential No data available on bioaccumulation.

Mobility in soil The product is insoluble or slightly soluble in water.

Other adverse effects

Oil spills are generally hazardous to the environment. The product contains volatile organic

compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

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

disposal company.

Waste from residues / unused

products

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.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

INUL ESTABLI

the IBC Code

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Husqvarna HP 2 Stroke Oil SDS US

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Mineral oil II (CAS Proprietary)

Mineral oil III (CAS Proprietary)

US. New Jersey Worker and Community Right-to-Know Act

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

US. Pennsylvania Worker and Community Right-to-Know Law

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Mineral oil II (CAS Proprietary) Mineral oil III (CAS Proprietary)

US. Rhode Island RTK

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Mineral oil II (CAS Proprietary)
Mineral oil III (CAS Proprietary)

International Inventories

Country(s) or regionInventory nameOn inventory (yes/no)*CanadaDomestic Substances List (DSL)YesCanadaNon-Domestic Substances List (NDSL)NoUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

16. Other information, including date of preparation or last revision

Issue date 02-March-2018

Revision date - 01

NFPA ratings



Disclaimer

Husqvarna Group 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.

Husqvarna HP 2 Stroke Oil SDS US

^{*}A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).