

Section 1: Identification

Product identifier	Husqvarna Multi Spray	
Other means of identification		
Product code	538 62 94-01 (400 ml)	
Recommended use of the chemical and restrictions on use		
Recommended use	Lubricant	
Restrictions on use	All other uses.	
Details of manufacturer or importer		
Supplier	Husqvarna New Zealand Ltd	
Address	51 Aintree Avenue, Mangere, Auckland 2022	
Country	New Zealand	
Telephone	+64 9 920 2410	
Contact person	Mike Roberts	
E-mail	mike.roberts@husqvarnagroup.com	
Emergency	Contact the Poisons Information Centre; phone 0800 764 766	

Section 2: Hazard identification

Classification of the hazardous chemical

Physical hazards	Aerosols (flammable)	Category 1
Health hazards	Not classified.	
Environmental hazards	Not classified.	

Label elements, including precautionary statements

Hazard symbol(s)



Flame

Signal word	Danger
Hazard statement(s)	Extremely flammable aerosol.

Precautionary statement(s)

Prevention	Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurised container: Do not pierce or burn, even after use.
Response	Not assigned.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Not assigned.

Other hazards which do not result in classification None.

Supplemental information None.

Section 3: Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
Butane	106-97-8	5-10
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	60-80
Isobutane	75-28-5	3-5
Propane	74-98-6	10-15

Section 4: First-aid measures

Description of necessary 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	In the unlikely event of swallowing contact a physician or poison control centre.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Symptoms caused by exposure	Direct contact with eyes may cause temporary irritation.
Medical attention and special treatment	Treat symptomatically.

Section 5: Fire-fighting measures

Extinguishing media	Powder. Carbon dioxide (CO ₂).
Extinguishing media to avoid	Do not use water jet as an extinguisher, as this will spread the fire.
HAZCHEM Code Number	None.
Specific hazards during fire fighting	Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special fire fighting procedures	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Protection of fire-fighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Hazards from combustion products	Fumes, smoke, carbon monoxide and other products of incomplete combustion.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
For emergency responders	Keep unnecessary personnel away. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up	Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Collect in a non-combustible container for prompt disposal. Small Liquid Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Section 7: Handling and storage

Precautions for safe handling	Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	CAUTION Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, sparks and open flame. Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

Section 8: Exposure controls/personal protection

Control parameters	Follow standard monitoring procedures.
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).

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, for example personal protective equipment (PPE)	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.
Other	Wear suitable protective clothing.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	When using do not smoke. 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.

Section 9: Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Aerosol.
Colour	Colourless.
Odour	Not relevant.
Odour threshold	Not available.
pH	Not relevant, due to the form of the product in its manufactured and shipped state.
Melting point/freezing point	Not relevant, due to the form of the product in its manufactured and shipped state.
Initial boiling point and boiling range	Not relevant, due to the form of the product in its manufactured and shipped state.
Flash point	Not applicable: aerosol spray can.
Evaporation rate	Not relevant, due to the form of the product in its manufactured and shipped state.
Flammability (solid, gas)	Extremely flammable aerosol.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Not relevant, due to the form of the product in its manufactured and shipped state.
Explosive limit – upper (%)	Not relevant, due to the form of the product in its manufactured and shipped state.

Vapour pressure	Not relevant, due to the form of the product in its manufactured and shipped state.
Vapour density	Not relevant, due to the form of the product in its manufactured and shipped state.
Relative density	Not relevant, due to the form of the product in its manufactured and shipped state.
Solubility(ies)	
Solubility (water)	Not relevant, due to the form of the product in its manufactured and shipped state.
Partition coefficient (n-octanol/water)	Not relevant, due to the form of the product in its manufactured and shipped state.
Auto-ignition temperature	Not relevant, due to the form of the product in its manufactured and shipped state.
Decomposition temperature	Not relevant, due to the form of the product in its manufactured and shipped state.
Kinematic viscosity	Not available.
Other physical and chemical parameters	
Viscosity	Not relevant, due to the form of the product in its manufactured and shipped state.

Section 10: Stability and reactivity

Reactivity	The 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.
Incompatible materials	Strong oxidising agents. Chlorine. Fluorine. Nitrates.
Hazardous decomposition products	No hazardous decomposition products are known.

Section 11: Toxicological information

Information on likely routes of exposure

Inhalation	Breathing of high concentrations may cause dizziness, light-headedness, headache, nausea and loss of co-ordination. Continued inhalation may result in unconsciousness.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory irritation	High concentrations: May cause irritation to the respiratory system.
Respiratory or skin sensitisation	
Respiratory sensitisation	Not a respiratory sensitiser.
Skin sensitisation	This product is not expected to cause skin sensitisation.
Germ cell mutagenicity	No 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.
ACGIH Carcinogens	Not available.
IARC Monographs. Overall Evaluation of Carcinogenicity	Not listed.

Reproductive toxicity This 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.

Narcotic effects Due to lack of data the classification is not possible.

Further information No data available.

Section 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.

Components	Species	Test Results
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS -)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Green algae (Selenastrum capricornutum) > 1000 mg/l, 3 days
	LC50	Green algae (Selenastrum capricornutum) > 1000 mg/l, 3 days
Crustacea	EC50	Water flea (Daphnia magna) > 1000 mg/l, 2 days
Fish	LC50	Rainbow trout > 1000 mg/l, 4 days

Persistence and degradability Volatile substances are degraded in the atmosphere within a few days.

Bioaccumulative potential

Mobility in soil No data available for this product.

Other adverse effects No data available.

Section 13: Disposal considerations

Disposal methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

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. Do not re-use empty containers.
Special precautions to be taken during disposal	Dispose in accordance with all applicable regulations.
Method of disposal that should not be used	None known.

Section 14: Transport information

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not assigned.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not assigned.
Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

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

Section 15: Regulatory information

Applicable regulations	Classified as hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. HNSO - Aerosols (Flammable) Group Standard 2020 [HSR002515]
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Section 16: Other information

References ECHA: European Chemical Agency.

Issued by
Not available.

Prepared by
Not available.

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