

1. Product and company identification

Product name	Vehicle cleaner & wax
Product code	590 66 13-01 (2,5L)
Supplier	Husqvarna New Zealand Ltd
Address	51 Aintree Avenue, Mangere, Auckland 2022
Country	New Zealand
Telephone	+64 9 920 2410
Contact person	Richard Cuthbert
E-mail	richard.cuthbert@husqvarnagroup.com
Emergency	Contact the Poisons Information Centre; phone 0800 764 766

Recommended use and Limitations on use

Recommended use	General purpose cleaner. Degreaser.
Limitations on use	None known.

2. Hazards identification

GHS classification

Physical hazards	Not classified.
Health hazards	Skin corrosion/irritation Category 3 Serious eye damage/eye irritation Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard Category 3

Label elements

Symbols



Signal word Warning

Hazard statement Causes mild skin irritation. Causes serious eye irritation. Harmful to aquatic life.

Precautionary statements

Prevention	Keep out of reach of children. Wear eye protection. Avoid release to the environment.
Response	If medical advice is needed, have product container or label at hand. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
Storage	Not assigned.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental information None.

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, diesters with vegetable-oil fatty acids, Me sulfates (salts)	95009-13-5	1 - <3
2-(2-Butoxyethoxy)-ethanol	112-34-5	5 - <10
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	164462-16-2	<1
Fatty alcohol ethoxylated	69011-36-5	5 - <10
Pine, oil	94266-48-5	<1
Trimethyl-3-[(1-oxo-10-undecenyl)amino]propylammonium methyl sulphate	94313-91-4	<1

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.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Potential delayed effects	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Notes to physician	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media	Water fog. Foam. Dry chemical 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	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.
Protection of fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Hazards from combustion products	Carbon monoxide and carbon dioxide. Unidentified organic compounds.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Spill cleanup methods	<p>This product is miscible in water. Prevent product from entering drains.</p> <p>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. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

7. Handling and storage

Handling	
Precautions	Avoid contact with eyes, skin, and clothing. Avoid release to the environment.
Safe handling advice	Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the SDS.
Prevention of fire and explosion	No specific recommendations.
Local and general ventilation	Provide adequate ventilation.
Storage	
Suitable storage conditions	Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).
Incompatible materials	For further information, please refer to section 10.
Safe packaging materials	Store in original tightly closed container.

8. Exposure controls/personal protection

Workplace exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-(2-Butoxyethoxy)-ethanol (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2-(2-Butoxyethoxy)-ethanol (CAS 112-34-5)	STEL	101.2 mg/m3
	TWA	15 ppm 67.5 mg/m3 10 ppm

Biological limit values

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

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 eyewash station.

Personal protective equipment

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Wear appropriate chemical resistant gloves.

Skin protection

Wear suitable protective clothing.

Eye/face protection

Wear safety glasses with side shields (or goggles).

Radioactive or thermal hazards

Follow standard monitoring procedures.

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.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Colour Yellowish.

Odour Pleasant.

Odour threshold Not available.

pH 8

Melting point/freezing point Not available.

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

Flash point Not available.

Auto-ignition temperature Not available.

Flammability (solid, gas) Not applicable.

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapour pressure Not available.

Vapour density Not available.

Evaporation rate Not available.

Relative density Not available.

Density 1.01 g/cm³

Solubility(ies)

Solubility (water) Soluble.

Partition coefficient (n-octanol/water) Not available.

Decomposition temperature Not available.

Other data**Explosive properties** Not explosive.**Oxidising properties** Not oxidising.**10. Stability and reactivity****Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.**Stability** Material is stable under normal conditions.**Conditions to avoid** Contact with incompatible materials.**Incompatible materials** Strong oxidising agents.**Hazardous decomposition products** No hazardous decomposition products are known.**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.**11. Toxicological information****Acute toxicity****Information on likely routes of exposure****Ingestion** Expected to be a low ingestion hazard.**Inhalation** No adverse effects due to inhalation are expected.**Skin contact** Causes mild skin irritation.**Eye contact** Causes serious eye irritation.

Components	Species	Test results
1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, diesters with vegetable-oil fatty acids, Me sulfates (salts) (CAS 95009-13-5)		
<u>Acute</u>		
Oral		
LD50	Mouse	> 2000 mg/kg
2-(2-Butoxyethoxy)-ethanol (CAS 112-34-5)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	2700 mg/kg
Oral		
LD50	Rat	4500 mg/kg
Fatty alcohol ethoxylated (CAS 69011-36-5)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 4000 mg/kg
Oral		
LD50	Rat	500 - 2000 mg/kg
Routes of exposure	Skin contact. Eye contact.	
Symptoms	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.	
Skin corrosion/irritation	Causes mild skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitizer	Not a respiratory sensitizer.	
Skin sensitizer	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.	
Toxic to reproduction	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.	
Chronic effects	No data available.	
Relevant negative data	No data available.	

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

12. Ecological information

Ecotoxicological data

Components	Species		Test results
Fatty alcohol ethoxylated (CAS 69011-36-5)			
Aquatic			
Acute			
Algae	EC50	Algae	10 - 100 mg/l, 72 hours
Crustacea	EC50	Daphnia	10 - 100 mg/l, 48 hours
Fish	LC50	Fish	10 - 100 mg/l, 96 hours
Ecotoxicity	Harmful to aquatic life.		
Persistence and degradability			
Bioaccumulation	No data available.		
Partition coefficient			
n-octanol/water (log Kow)			
2-(2-Butoxyethoxy)-ethanol (CAS 112-34-5)			0.56
Bioconcentration factor (BCF)	Not available.		
Mobility	This product is miscible in water.		
Other hazardous effects	No data available.		

13. Disposal considerations

Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

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 established.

15. Regulatory information

Applicable regulations HSNO - Cleaning Products (Subsidiary Hazard) Group Standard 2006 [HSR 002530]
HSNO: 6.3B; 6.4A

New Zealand Inventory of Chemicals (NZIoC): Registration status

2-(2-Butoxyethoxy)-ethanol (CAS 112-34-5)	HSNO Approved
Fatty alcohol ethoxylated (CAS 69011-36-5)	HSNO Approved

16. Other information

References IARC Monographs. Overall Evaluation of Carcinogenicity
HSDB® - Hazardous Substances Data Bank

Issued by
Not available.

Prepared by
Not available.

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

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