

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

1.1. Product identifier

Trade name or designation of the mixture	Husqvarna Active Cleaning
Registration number	-
Synonyms	None.
Product code	544 03 70-01 (1L.)
Issue date	31-August-2012
Version number	01
Revision date	-
Supersedes date	-

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

Identified uses	General purpose cleaner. Degreaser.
Uses advised against	Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	Husqvarna AB
Address	Drottninggatan 2
Telephone	036-14 65 00
e-mail	sds.info@husqvarna.se
Contact person	Accessory Department

1.4. Emergency telephone number	+1-760-476-3961 (Access code 333721)
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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 classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	Carc. Cat. 3;R40, Xi;R41
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The full text for all R-phrases is displayed in section 16.

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Limited evidence of a carcinogenic effect. Risk of serious damage to eyes.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Risk of serious damage to eyes. Prolonged exposure may cause skin irritation. Limited evidence of a carcinogenic effect.
Main symptoms	Extreme irritation of eyes and mucous membranes, including burning and tearing. Prolonged skin contact may cause redness, irritation and dry skin.

2.2. Label elements

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

Contains:	Hexyl D-glucoside, Nitrotriacetic acid, trisodium salt, Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy-, Sodium silicate
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Harmful

R-phrases	R40 Limited evidence of a carcinogenic effect. R41 Risk of serious damage to eyes.
S-phrases	S2 Keep out of the reach of children. S13 Keep away from food, drink and animal feeding stuffs. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S60 This material and its container must be disposed of as hazardous waste.
Authorization number	Not available.
Supplemental label information	Not applicable.
2.3. Other hazards	Not assigned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Nitritotriacetic acid, trisodium salt	5 - 10	5064-31-3 225-768-6	-	607-620-00-6	
Classification:		DSD: Carc. Cat. 3;R40, Xn;R22, Xi;R36			
		CLP: Acute Tox. 4;H302, Eye Irrit. 2;H319, Carc. 2;H351, Aquatic Chronic 3;H412			
Hexyl D-glucoside	1 - 5	54549-24-5 259-217-6	-	-	
Classification:		DSD: Xi;R41			
		CLP: Eye Dam. 1;H318			
Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy-	1 - 5	160875-66-1 -	-	-	
Classification:		DSD: Xi;R41			
		CLP: Eye Dam. 1;H318			
Sodium silicate	1 - 5	1344-09-8 215-687-4	-	-	
Classification:		DSD: Xi;R37/38-41			
		CLP: Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335			
Disodium metasilicate	0 - 1	6834-92-0 229-912-9	-	014-010-00-8	
Classification:		DSD: C;R34, Xi;R37			
		CLP: Skin Corr. 1B;H314, STOT SE 3;H335			

#: This substance has been assigned Community workplace exposure limit(s).
DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.

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

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Immediate medical attention is required.

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	Take off immediately all contaminated clothing. Wash off with soap and plenty of 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 immediately.

Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without advice from poison control centre. 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

Extreme irritation of eyes and mucous membranes, including burning and tearing. Prolonged skin contact may cause redness, irritation and dry skin.

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

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media

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

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

In case of spills, beware of slippery floors and surfaces. Wear protective clothing as described in section 8 of this safety data sheet.

For emergency responders

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

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.

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

Wear protective clothing as described in Section 8 of this safety data sheet. Do not eat, drink or smoke when using the product. Be aware of potential for surfaces to become slippery. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep from freezing. Store away from incompatible materials. Incompatible materials: Strong oxidising agents.

7.3. Specific end use(s)

General purpose cleaner. Degreaser.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

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

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
Disodium metasilicate (CAS 6834-92-0)	Workers	Dermal	1,49 mg/kg	Long term exposure systemic effects

Components	Type	Route	Value	Form
		Inhalation	6,22 mg/kg	Long term exposure systemic effects

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Disodium metasilicate (CAS 6834-92-0)	Aqua (freshwater)	Not applicable	7,5 mg/l	
	Aqua (intermittent releases)	Not applicable	7,5 mg/l	
	Aqua (marine water)	Not applicable	1 mg/l	
	Sewage Treatment Plant	Not applicable	1 mg/l	

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation and minimise the risk of inhalation of vapours. 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	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear protective gloves. Nitrile, PVC or Neoprene gloves are recommended. 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 vapours, use suitable respiratory equipment. 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	Pale yellow liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Pale yellow.
Odour	Weak odor.
Odour threshold	Not available.
pH	13 (Concentrated)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 100 °C (> 212 °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.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1 (approximate) (15 °C) (Water = 1)
Solubility(ies)	Miscible in water.

Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
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 reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	By heating and fire, irritating vapours/gases may be formed. Carbon oxides. Nitrogen oxides. Silicon oxides.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise.
Inhalation	In high concentrations, vapours may be irritating to the respiratory system.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Risk of serious damage to eyes.

Symptoms Extreme irritation of eyes and mucous membranes, including burning and tearing. Prolonged skin contact may cause redness, irritation and dry skin.

11.1. Information on toxicological effects

Acute toxicity May irritate and cause stomach pain, vomiting, diarrhoea and nausea.

Components	Species	Test results
Nitrilotriacetic acid, trisodium salt (CAS 5064-31-3)		
Acute		
<i>Oral</i>		
LD50	Rat	1100 mg/kg
Sodium silicate (CAS 1344-09-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 4640 mg/kg
<i>Oral</i>		
LD50	Rat	1,1 g/kg

Skin corrosion/irritation Prolonged skin contact may cause redness, irritation and dry skin.

Serious eye damage/irritation Risk of serious damage to eyes.

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.

Carcinogenicity Limited evidence of a carcinogenic effect.

IARC Monographs. Overall Evaluation of Carcinogenicity

Nitrilotriacetic acid, trisodium salt (CAS 5064-31-3) 2B Possibly carcinogenic to humans.

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 No data available.

Mixture versus substance information	Not available.
Other information	No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity 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
Sodium silicate (CAS 1344-09-8)		
Aquatic		
Fish	LC50 Bluegill (<i>Lepomis macrochirus</i>)	301 - 478 mg/l, 96 Hours
12.2. Persistence and degradability	The product is expected to be biodegradable.	
12.3. Bioaccumulative potential	No data available.	
Partition coefficient n-octanol/water (log Kow)	Not available.	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	
Mobility in general	The product is miscible with water. May spread in water systems.	
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.	
12.6. Other adverse effects	None known.	

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

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

Not listed.

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**
Disodium metasilicate (CAS 6834-92-0)
Sodium silicate (CAS 1344-09-8)
- 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**
Nitrilotriacetic acid, trisodium salt (CAS 5064-31-3)

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**
Disodium metasilicate (CAS 6834-92-0)
Nitrilotriacetic acid, trisodium salt (CAS 5064-31-3)
- Directive 94/33/EC on the protection of young people at work**
Disodium metasilicate (CAS 6834-92-0)
Nitrilotriacetic acid, trisodium salt (CAS 5064-31-3)

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. Pregnant women should not work with the product, if there is the least risk of exposure.

National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

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 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

R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H351 - Suspected of causing cancer.

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

Health hazards

Serious eye damage/eye irritation

Category 1

H318 - Causes serious eye damage.

Carcinogenicity

Category 2

H351 - Suspected of causing cancer.

Disclaimer

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