

MATERIAL SAFETY DATA SHEET

1. NAME OF THE PRODUCT AND COMPANY

Trade name	Husqvarna Active Cleaning
Article number	5440370-01 (1L.)
Application	General cleaning, degreasing

Supplier	Husqvarna AB
Address	SE 561 82 Huskvarna
Country	Sweden
Telephone	+46 36 14 65 00
Fax	+46 36 14 73 55
Contact	Anita Cenusă

For emergencies	Contact the Poison Information Centre
-----------------	---------------------------------------

2. COMPOSITION/CLASSIFICATION OF SUBSTANCE

No.	Substance name	EC no.	CAS no.	Content (%)	Marking	R phrases
1	Nitriloacetic acid, trisodium salt	225-768-6	5064-31-3	5-10	Xn	R22, 36
2	Alkyl glucoside			1-5	Xi	R41
3	Sodium silicate	215-687-4	1344-09-8	1-5	Xi	R37/38, 41
4	Sodium metasilicate	229-912-9	6834-92-0	0-1	C	R34.37
5	C10 Alcohol ethoxylate			1-5	Xi	R41

Table of symbols: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Hazardous to health, Xi=Irritating, E=Explosive, O=Oxidizing, F+=Extremely flammable, F=Very flammable, N=Harmful to the environment, IK=Not subject to classification with respect to hazards to the environment and health.

Comments on composition: Other ingredients: Water

See item 16 for a list of the relevant risk phrases.

3. HAZARDOUS PROPERTIES

Irritating, hazardous to health: Irritates the eyes.

Not classified as hazardous to the environment according to regulations

4. FIRST AID

Inhalation

Fresh air.

Skin contact

Wash skin immediately with soap and water. Remove contaminated clothing and continue to wash. If irritation persists, seek medical attention.

Contact with eyes

Rinse immediately with plenty of water. Keep eyes wide open. If eye irritation persists, see an eye doctor.

Consumption

Rinse the mouth thoroughly and administer milk/water if the injured person is not unconscious. Do NOT induce vomiting. Seek medical attentions if a larger amount was ingested.

5. MEASURES IN THE EVENT OF FIRE

Extinguishing agents

Powder, foam, water.

Personal protective equipment in the event of fire

Fire fighting personnel exposed to combustion gases/decomposition products should use a respiratory protection device.

6. MEASURES FOR SPILLS/ACCIDENTAL DISCHARGES

Measures for avoiding personal injury

Use personal protective equipment. See item 8.

Measures for avoiding environmental damage

In the event of spills that present a danger to the environment, contact the appropriate authorities.

Decontamination methods

Spills are collected for recycling.

7. HANDLING AND STORAGE

Preventive measures during handling

Prevent slip accidents by thoroughly rinsing floors and tools that have come in contact with the substance. The workplace and routines should be designed to avoid direct contact.

Handling directives

No special safety measures required.

Preventive measures during storage

Do not expose to freezing temperatures. Keep containers tightly closed.

8. RESTRICTING EXPOSURE/PERSONAL PROTECTION MEASURES

Respiratory protection

Not necessary during normal use of product.

Eye protection

Use safety goggles where there is a risk of direct contact or splashing. Eye wash bottle with clean water.

Hand protection

Use extra-long protective gloves.

Hygienic routines

Wash contaminated skin immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Light yellow
Odour	Weak
Solubility	Soluble in water

Density	~1 g/ml (15 °C)
Flash point	>100 °C Method: N/A
pH concentrated solution	~13

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Circumstances which should be avoided

Do not mix different cleaning agents.

11. TOXICOLOGICAL INFORMATION

Included substance:

Toxicological data

Nitriloacetic acid, trisodium salt

Acute toxicity. LD50 P/O Rat >2000mg/kg

Included substance:

Toxicological data

Sodium metasilicate

Acute toxicity. LD50 Rat 1280 mg/kg

Skin contact

Irritating upon long-term or repeated exposure

Eye contact

Irritating to eyes and mucous membranes.

SAFETY DATA SHEET

Trade name: Husqvarna active cleaning

Date issued:

Page 2 of 4
2007-01-01

Issue 3

12. ECOTOXICOLOGICAL INFORMATION

Environmental protection measures

The product is not considered harmful to the environment. This does not exclude possible negative effects on the environment from accidental larger or repeated minor spills. The tenside component(s) included in this preparation fulfil the criteria for biodegradability according to regulation (EC) no 648/2004 regarding detergents. Data supporting this claim is available to member states' authorities, and will be provided upon request for these as well as for manufacturers of detergents.

Mobility

The product is soluble in water.

Included substance: Ecotoxicological data

Nitriloacetic acid, trisodium salt

Acute toxicity. LC50 96 hours fish >500 mg/l (30-40% solution)
The product is expected to be biodegradable.

Persistence and degradability

Included substance: Ecotoxicological data

Sodium metasilicate

Acute toxicity. LC50 96 hours fish 2300 mg/l (pH ~9,5)
Acute toxicity. EC50 96 hours Daphnia > 240 mg/l (pH ~9,0)
The product is biodegradable.

Persistence and degradability

13. WASTE MANAGEMENT

General

Follow all national and local regulations regarding use, transport and waste management of this product.

Waste group

To be treated as hazardous waste (SFS 2001:1063, Waste Ordinance).

14. TRANSPORT INFORMATION

The chemicals are classified as hazardous goods Yes No Not assessed

Other information

Non-hazardous goods according to current regulations, ADR, RID, IMO/IMDG and IATA.

15. APPLICABLE REQUIREMENTS

Information

Contains: Nitriloacetic acid, trisodium salt
 Sodium metasilicate
 C10 Alcohol ethoxylate
 Sodium silicate

R phrases/ S-phrases

No.	Phrase text
R36	Irritating on eyes.
S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S26	Upon contact with eyes, wash immediately with plenty of water and seek medical attention.

Marking/Danger symbol



Irritating

16. MISCELLANEOUS INFORMATION

Information sources

Current legislation at the time of the revision and technical documentation from the raw material supplier, Kemetyl AB.

List of all relevant risk phrases

SAFETY DATA SHEET

Trade name: Husqvarna active cleaning

Date issued:

Page 3 of 4
2007-01-01

Issue 3

No.	R-Phrase text
R22	Harmful if swallowed.
R34	Corrosive.
R36	Irritating to eyes
R37	Irritates the respiratory organs.
R41	Risk for serious eye injuries.
R37/38	Irritates the respiratory organs and skin

Revision overview

Issue	Rev. Date	Responsible	Amendments
1	1996-08-23	Hanna Svennberg	
2	2003-12-08	Hanna Svennberg	Revised, Sections 1-16
3	2007-01-01	Anita Cenus	Revised, Sections 1-16

Supplier notes