

Date: 07.08.2012

Former date: 20.10.2011

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the substance or preparation**

Trade name

BIOSOL

Code of the preparation

Reach registration number

1.2 Use of the substance/preparation**1.2.1 The uses of the chemical**

Alkalic cleaner

1.2.2 Classification of economic activities (NACE)DG 245 Manufacturing of cleaning agents,
cosmetic- and toilet article**1.2.3 Use categories (UC62)**

09 Cleaning/washing agents

1.2.4 The chemical can be used by the general public**1.2.5 The chemical is used by the general public only****1.3 Company/undertaking identification****1.3.1 Manufacturer, importer, other undertaking**

Taerosol Oy

1.3.2 Contact information:

Street address

Hampuntie 21

Postcode and post office

FIN-36220 Kangasala, Finland

Post-office box

Postcode and post office

Telephone number

+358 3 356 5600

Telefax

E-mail address

heikki.jalava@taerosol.com

Y code

0284768-6

1.3.3 Information on the foreign manufacturer**1.4 Emergency telephone****1.4.1 Telephone number, name and address**

In emergency 112

2. HAZARDS IDENTIFICATIONNotice
GHS07

WARNING

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Hazard indications
H 302 Harmful if swallowed.
H 315 Causes skin irritation.
H 319 Causes serious eye irritation.
H 335 May cause respiratory irritation .

Safety indications
P 102 Keep out of reach of children.
P 301+ P330+ P331 IF SWALLOWED: Rinse mouth.Do NOT induce vomiting.
P 305 IF IN EYES: P 351 Rinse cautiously with water for several minutes.

3. COMPOSITION AND INFORMATION ON INGREDIENTS			
3.1 Hazardous ingredients			
3.1.1 CAS/EC number and the Registration number	3.1.2 Name of the ingredient	3.1.3 Concentration	3.1.4 Classification (symbol letters and R phrases) and other data on the ingredient
68439-46-3	C9-11 Alkoholetoxilat	< 5 %	Xi; R 38-41 Skinn Irrit. 2 H315 Eye Dam 1 H318
112-34-5	2-(2-Butoxietoxi)etanol	1-5 %	Xi, R 36 Eye Irrit. 2, H319
64-02-8	EDTA-liquid 39%	1-5 %	Xi, R 22, R 36/38 H302, H315
10213-79-3	Natriumsilikat pentahydrat	1-5 %	C, R 34; Xi; R 37 Skin Corr. 1B, H314; STOT SE 3, H335

- 3.1.5 There has been a request for confidentiality of a substance according to Annex 2 of the decree
- 3.1.6 A substance not dangerous has been indicated as confidential
- 3.1.7 Other information

4. FIRST AID MEASURES	
4.1 Special instructions	INHALATION: Product contains ingredients, which irritate respiratory organs but is not classified. SKIN: Product contains caustic ingredients, but according to concentration is irritating to skin. EYE CONTACT: Causes eye irritation. INGESTION: Product contains ingredients, which are harmful if swallowed.
4.2 Inhalation	Go to fresh air. If continuing call a doctor.
4.3 Skin contact	Flush thoroughly with water . Take off immediately all contaminated clothing.
4.4 Eye contact	Flush thoroughly with water at least 15 min. If irritation continues, call a doctor.
4.5 Ingestion	When taken internally. DO NOT VOMIT. Drink milk. Contact doctor.
4.6 Information for a doctor or other professionals giving first aid	-

5.	FIRE-FIGHTING MEASURES
5.1	Suitable extinguishing media Product does not burn.
5.2	Extinguishing media which shall not be used for safety reasons
5.3	Special exposure hazards in a fire
5.4	Special protective equipment for fire-fighters
5.5	Other instructions
6.	ACCIDENTAL RELEASE MEASURES
6.1	Personal precautions Avoid contact with skin and eyes. Wear suitable protective clothing.
6.2	Environmental precautions Prevent spills from entering to groundwater
6.3	Methods for cleaning up Dispose material according to current applicable laws and regulations.
6.4	Other instructions
7.	HANDLING AND STORAGE
7.1	Handling Contact to skin, eyes and clothing must be avoided. Wear suitable protective clothing and gloves, when using the cans.
7.2	Storage Storage temperature over 0°C
7.3	Specific use(s)
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Exposure limit values
8.1.1	HTP values (in Finland)
8.1.2	Other limit values
8.1.3	Limit values in other countries
8.1.4	DNELs
8.1.5	PNECs
8.2	Exposure controls
8.2.1	Occupational exposure controls
	-
8.2.1.1	Respiratory protection
	-
8.2.1.2	Hand protection Wear suitable gloves.
8.2.1.3	Eye protection If necessary use eye/ face protection.
8.2.1.4	Skin protection Wear suitable protective clothing against splash.
8.2.2	Environmental exposure controls
	-
9.	PHYSICAL AND CHEMICAL PROPERTIES
9.1	General information (physical state, colour and odour) Liquid, green, citron odorous

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9.2	Important health, safety and environmental information
9.2.1	pH 12
9.2.2	Boiling point/boiling range >100 °C
9.2.3	Flash point
9.2.4	Flammability (solid, gas)
9.2.5	Explosive properties
9.2.6	Oxidising properties
9.2.7	Vapour pressure
9.2.8	Relative density 1.042 g/m ³
9.2.9	Solubility
9.2.10	Water solubility Soluble
9.2.11	Partition coefficient: n-octanol/water -
9.2.12	Viscosity -
9.2.13	Vapour density -
9.2.14	Evaporation rate -
9.3	Other information
10.	STABILITY AND REACTIVITY
10.1	Conditions to avoid Stabile at normal conditions.
10.2	Materials to avoid May erode aluminium
10.3	Hazardous decomposition products -
11.	TOXICOLOGICAL INFORMATION
11.1	Acute toxicity Caustic if swallowed. Effects corrosive attack in digestion channel if swallowed
11.2	Irritation and corrosivity Irritate to skin and eyes.
11.3	Sensitisation -
11.4	Sub-acute, sub-chronic and prolonged toxicity -
11.5	Human health effects based on experience -
11.6	Other information on health effects -
12.	ECOLOGICAL INFORMATION
12.1	Ecotoxicity
12.1.1	Aquatic toxicity Harmful to aquatic organisms.
12.1.2	Toxicity to other organisms

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12.2 **Mobility**
As watersoluble liquid, it ends up easily to environment

12.3 Persistence and degradability

12.3.1 **Biodegradation**
Biologically decomposable.

12.3.2 **Chemical degradation**

-
12.4 **Bioaccumulative potential**

-
12.5 **Results of PBT assessment**

-
12.6 **Other adverse effects**

13. DISPOSAL CONSIDERATIONS

Biologically decomposable. Can be flushed into drain, when diluted by water.

14. TRANSPORT INFORMATION

14.1 **UN number**

-
14.2 **Packing group**

-
14.3 **Land transport**

14.3.1 **Transport class**

-
14.3.2 **Risk code**

14.3.3 **Name according to bill of freight**

-
14.3.4 **Other information**

-
14.4 **Sea transport**

14.4.1 **IMDG class**

-
14.4.2 **Correct technical name**

-
14.4.3 **Other information**

-
14.5 **Air transport**

14.5.1 **ICAO/IATA class**

-
14.5.2 **Correct technical name**

-
14.5.3 **Other information**

15. REGULATORY INFORMATION

15.1 Information on the label

15.1.1 **Danger symbols (letters) and indications of danger**
GHS07 Warning



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15.1.2 Substances to be named on the label
C9-11 Alkoholetoxilat, Natriumsilikat pentahydrat

15.1.3 R phrases

15.1.4 S phrases

15.1.5 -

15.2 National regulations

16. OTHER INFORMATION

16.1

List of relevant R phrases

Hazard indications, S phrases och/ or Safety indications.

R 22	Harmful if swallowed.
R 36	Irritating to eyes
R 36/38	Irritating to eyes and skin.
R 37	Irritating to respiratory system.
R 41	Risk of serious damage to eyes
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

16.2 Training advice

16.3 Recommended restrictions on use

16.4 Further information

Taerosol Oy

16.5 Sources of key data used to compile the Safety Data Sheet

SHMs regulation 509/2005, SHMs regulation 807/2001. The information contained herewith is based on the information from raw material deliverers.

16.6 Information which has been added, deleted or revised