

Emperor Exterior Masonry Cleaner

Safety Data Sheet

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Type of product :	A cleaning agent for porous building materials
Use :	See product bulletin for detailed information.
Company identification :	Emalux GmbH Werner-von-Siemens-Straße 6 28832 Achim
	Tel.: +49 42 02 6 22 33 - 0 Telefax: +49 42 02 6 15 36 E-Mail: kontakt@emalux.de Emergency telephone number: +49 42 02 6 22 33 - 0

2 HAZARDS IDENTIFICATION

Causes burns. Harmful in contact with skin and if swallowed. Very toxic to aquatic organisms.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Constituents/ impurities	Einecs no. CAS No. Substances	Classification	w/w%
	270-325-2 68424-85-1 Benzalkoniumchloride	C;R34 Xn;R21/22 N;R50	25-50

Please see section 16 for the full text of the R-phrases

4 FIRST AID MEASURES **Inhalation:** See fresh air and when obtain medical assistance show MSDS

- **Ingestion** : Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice immediately.
- **Skin contact** : Remove contaminated clothing. Wash skin with soap and water. Seek medical advice if symptoms persist.
- **Eye contact** Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses and seek medical advice
- **Burns** : Flush with water until pain ceases. Remove clothing that is not stuck to the skin seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

5 FIRE – FIGHTING MEASURES

Flammable class : Non- flammable

The product is not inflammable. Do not inhale vapours and fume gases - seek fresh air.

6 ACCIDENTAL RELEASE MEASURES

Use the same personal protective equipment as stated in section 8. Contain and absorb spill with sand, cat litter or other absorbent, non-combustible material and transfer to suitable waste containers. See section 13 for instructions on disposal. Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

7 HANDLING AND STORAGE

Handling See section 8 for information about precautions for use and personal protective equipment.

Storage There are no special storage requirements but the product should be stored safely, out of reach of children and not together with food, animal feeding stuffs, medicines, etc. Store in a cool, dry place.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautions for use: The product should be used outdoors. Wash hands before breaks, before using restroom facilities, and at the end of work.

Respiratory protection: Wear respiratory protective equipment with filter A2/P2.

Gloves and protective clothing: Use rubber apron and boots as required.

Eye protection: Wear safety goggles/face protection.

Occupational exposure limits:

Ingredients	Exposure limit	Remarks
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Control Methods Compliance with occupational exposure limits may be checked by occupational hygiene measurements; Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Odour: weak

pH (concentrate): 7-8

Relative density (g/ml): 1,04 Solubility in water (g/100 ml): 100

10 STABILITY AND REACTIVITY

The product is stable when used in accordance with the supplier's directions. Generates toxic gases if mixed with chloric products.

11 TOXICOLOGICAL INFORMATION

Acute: Inhalation is corrosive to the upper airways. Causes a burning sensation in the nose, mouth and throat, together with sneezing, coughing, breathing difficulties and chest pain.

Ingestion: Harmful if swallowed. May cause chemical pneumonia if ingested or vomited.

Skin contact: Has a corrosive effect and causes burning pain, reddening, blisters and burns.

Eye contact: May cause severe burns, pain, tearing and cramp of the eyelids. Risk of serious damage to eyes and loss of vision.

Risk of sensitization: May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration often slowly developing.

Long-term effects

None known.

12 ECOLOGICAL INFORMATION

Avoid discharge to drain or surface water.

Ecotoxicity

Very toxic to aquatic organisms.

Mobility

Mixable with water. May spread in the aquatic environment.

Persistence and degradability The product is easily degradable in the aquatic environment.

Bioaccumulative potential The product does not accumulate in the organism. **Ecological information for ingredients**

Einecs nr.: 270-325-2 Benzalkoniumchlorid

Fish: *Leopomis macrochirus*: 96tLC50=0,223 mg/l Crustacea: *Daphnia magna*: 48tLC50=0,039 0,16 mg/l Algae: *Chlorella vulgaris*: 72tEC50=0,056 mg/l

BCF: Fish=< 1

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13 DISPOSAL CONSIDERATIONS

Method of elimination :

Collect spills and waste in closed and sealed containers and send to the local disposal facility for chemical waste.

14 TRANSPORT INFORMATION

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road and sea according to ADR and IMDG.

ADR: UN 1760 ;n.o.s ; 8 ; III ;

IMDG: UN ; n.o.s ; 8 ; III

Classification code: Label ADR: 8 Hazard identification number: Flash point: 100°C Label IMDG: 8 IMDG EmS.: 8-15

Transport according to ADR 1.1.3.6:Factor: 1. Maximum total quantity per transport unit: 1 000 kg. MP: Marine Pollutant

15 REGULATORY INFORMATION



Hazard designation: Corrosive; Dangerous for the environment **Hazard symbols:** C;N

Contains

Benzalkoniumchlorid

R-phrases

Causes burns. (R34)

Harmful in contact with skin and if swallowed. (R21/22) Very toxic to aquatic organisms. (R50)

S-phrases

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)

After contact with skin, wash immediately with plenty of (to be specified by the manufacturer). (S28)

Wear suitable protective clothing, gloves and eye/face protection. (S36/37/39)

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). (S45) Avoid release to the

environment. Refer to special instructions/safety data sheet. (S61)

Other labelling

Restricted to professional users.

Volatile organic compounds (VOC):

This product is not subject to VOC legislation.

Chemical safety assessment



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16 OTHER INFORMATION

Training requirement: No special training is necessary but a thorough knowledge of this safety data sheet is assumed.

Sources used: Approved Supply List (seventh edition): Information approved for the classification and labelling of substances and preparations dangerous for supply. Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

Transport regulations for ADR 2003 edition and IMDG 2003 edition.

Commission decision as regards the list of wastes 2001/118/EC.

Anvend: CX 16.44

Approved classification and labelling guide (6th edition) 2002.

Other information: This safety data sheet was prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.

Full text of the R-phrases that are stated in section 3.

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

R50 Very toxic to aquatic organisms.

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