

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Impulse für Mensch und Umwelt

XB066-K30 Algen und Moosentferner

Version: 1.7

Revision Date 05.06.2013

Print Date 02.10.2013

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

1.1 Product identifier

Trade name : XB066-K30 Algen und Moosentferner

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

Use of the Sub-
stance/Mixture : Remover for algae- and moss layers

1.3 Details of the supplier of the safety data sheet

Company : hebro chemie GmbH
Rostocker Str. 40
41199 Mönchengladbach
Contact person : Wolfgang Schaffers
Telephone : +49 (0) 2166 6009-0
Telefax : +49 (0) 2166 6009-99
Contact person product safety : Abteilung Produktsicherheit
E-mail address : info-produktsicherheit@gmx.de

1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:
+49 (0) 361 730 730

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

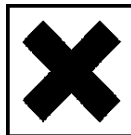
Classification (67/548/EEC, 1999/45/EC)

Irritant R36/38: Irritating to eyes and skin.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



Irritant

R-phrased(s) : R36/38 Irritating to eyes and skin.

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S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S60 This material and its container must be disposed of as hazardous waste.

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Chemical nature : Aqueous preparation of quaternary ammonium compounds

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Quaternary ammonium compound, alkyl (C12-C16) dimethyl benzyl ammonium chloride	68424-85-1 270-325-2	Xn; R21/22 C; R34 N; R50	Skin Corr. 1B; H314 Aquatic Acute 1; H400 Acute Tox. 4; H312 Acute Tox. 4; H302	>= 5 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notas mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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- If inhaled : Provide fresh air.
Keep respiratory tract clear.
- In case of skin contact : Take off all contaminated clothing immediately.
In case of contact, immediately flush skin with soap and plenty of water.
Do NOT use solvents or thinners.
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Seek medical advice.
- If swallowed : Keep at rest.
Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Erythema
Blistering
Pain
- Risks : corrosive effects

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
Water mist

- Unsuitable extinguishing media : none

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

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Further information : The product itself does not burn.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective clothing, gloves and eye/face protection.
Avoid contact with skin, eyes and clothing.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Inform the relevant authorities if it enters sewers, aquatic environment or soil.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Keep up mechanically and dispose according to local regulations.
Neutralize with lime milk or soda and flush with plenty of water.
Contaminated surfaces will be extremely slippery.

6.4 Reference to other sections

See chapter 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Product is used in dilutions with water
Have eye wash bottle or eye rinse ready at the work place.
Avoid contact with skin and eyes.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Keep only in the original container.

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areas and containers : Plastic container
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Protect from frost.
Advice on common storage : Incompatible with bases.

7.3 Specific end uses

Specific use(s) : Remover for algae- and moss layers

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Hand protection : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Eye protection : Safety glasses with side-shields

Skin and body protection : Protective suit

Protective measures : Follow the skin protection plan.

Environmental exposure controls

General advice : Inform the relevant authorities if it enters sewers, aquatic environment or soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : colourless
Odour : mild

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pH	:	7.7 at 10 g/l 20 °C
Boiling point/boiling range	:	> 100 °C Method: DIN 51751
Vapour pressure	:	23 hPa at 20 °C Information taken from reference works and the literature.
Density	:	1.0 g/cm ³ at 20 °C Method: DIN 51757
Water solubility	:	completely soluble

9.2 Other information

Explosivity	:	no explosion risk
Directive 1999/13/EC on the limitation of emissions of volatile organic compounds	:	no VOC duties

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost.
Product is stable under appropriate usage.

10.5 Incompatible materials

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Materials to avoid : Bases

10.6 Hazardous decomposition products

Risk of decomposition. : no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Skin irritation : Irritating to skin and mucous membranes

Serious eye damage/eye irritation

Eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitisation

Sensitisation : This information is not available.

Carcinogenicity

Remarks : Not classifiable as a human carcinogen.

Further information

: If swallowed, severe burns in the oral cavity and throat as well as danger of perforation of the digestive tract and stomach.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish : no data available

12.2 Persistence and degradability

Biodegradability : no data available

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12.3 Bioaccumulative potential

Bioaccumulation : no data available

12.4 Mobility in soil

Mobility : no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Additional ecological information : Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Do not let product enter drains.
Do not dispose of with domestic refuse.

Packaging : Do not dispose of with domestic refuse.
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : 070499 / 070699 wastes not otherwise specified

SECTION 14: Transport information

ADR

UN number : 1760

UN proper shipping name : CORROSIVE LIQUID, N.O.S., Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides

Transport hazard class(es) : 8

Packing group : III

Classification Code : C9

Hazard identification No : 80

Packing instruction (LQ) : LQ7

Limited Quantity (LQ) Inner : 5.00 L

Packaging

Labels : 8

Tunnel restriction code : (E)

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Environmentally hazardous : no

IATA

UN number : 1760
Description of the goods : CORROSIVE LIQUID, N.O.S., Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides
Class : 8
Packing group : III
Labels : 8

IATA_C

Packing instruction (cargo aircraft) : 856
Environmentally hazardous : no

IATA_P

Packing instruction (passenger aircraft) : 852
Environmentally hazardous : no

IMDG

UN number : 1760
Description of the goods : CORROSIVE LIQUID, N.O.S., Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides
Class : 8
Packing group : III
Labels : 8
EmS Number 1 : F-A
EmS Number 2 : S-B
Marine pollutant : no

RID

UN number : 1760
Description of the goods : CORROSIVE LIQUID, N.O.S., Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides
Transport hazard class(es) : 8
Packing group : III
Classification Code : C9
Hazard identification No : 80
Labels : 8
Packing instruction (LQ) : LQ19
Environmentally hazardous : no

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 2 water endangering
(Germany) VWVWS A4

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Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws. Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R21/22	Harmful in contact with skin and if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R50	Very toxic to aquatic organisms.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

Full text of Notas referred to under section 3

Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.