

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC

MIKRO QUAT

Code : 104262E

Version : 2

Date of revision : 2 August 2007

1. Identification of product and company

Identification of the substance or preparation

Product name : MIKRO QUAT
Product use : Surface Disinfectant
Product is for professional use only

Company/undertaking identification

2. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R34

Human health hazards : Causes burns.

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Ingredient declaration according to detergent regulation 648/2004/EC:

≥5 - <15% non-ionic surfactants, cationic surfactants
<5% NTA

Contains Perfumes: (Limonene)
Contains disinfectants.

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Fattyalcohol ethoxylates > 5EO	Polymer.		5 - 10	Xn; R22 Xi; R41 N; R50
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	269-919-4	68391-01-5	5 - 10	Xn; R22 C; R34 N; R50
2-aminoethanol	205-483-3	141-43-5	1 - 2	Xn; R20/21/22 C; R34
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

4. First-aid measures

First-aid measures

Inhalation : If inhaled, remove to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. If swallowed, rinse mouth with water (only if the person is conscious).

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- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
- Eye contact** : In case of contact with eyes, rinse immediately with plenty of water. Get medical attention immediately.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
- Special protective equipment for fire-fighters** : Fire-fighters should wear proper protective equipment.

6. Accidental release measures

- Personal precautions** : Large spill and leak Immediately contact safety personnel.
- Environmental precautions and clean-up methods** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Small spill: Rinse with plenty of running water. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Do not get in eyes or on skin or clothing. Do not ingest. Keep away from acids. After handling, always wash hands thoroughly with soap and water.
- Storage** : Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep only in the original container.
Store between the following temperatures: 0 and 35°C
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
2-aminoethanol	EU OEL (Europe, 2/2006). Skin short term: 7.6 mg/m ³ 15 minute(s). short term: 3 ppm 15 minute(s). 8 hours: 2.5 mg/m ³ 8 hour(s). 8 hours: 1 ppm 8 hour(s).

- Exposure controls**
- Occupational exposure controls** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Respiratory protection (EN 143, 141)** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection (EN 374)** : 1 - 4 hours: butyl rubber, nitrile rubber
- Eye protection (EN 166)** : Safety glasses. Goggles, face shield, or other full-face protection.
- Skin protection (EN 467)** : safety apron Suitable protective footwear.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Liquid.
Colour : Orange. [Dark]
Odour : Fragrance-like.

Important health, safety and environmental information

- pH** : 11.1 to 11.9 (100%)
Boiling point : Not available.
Melting point : Not available.
Flash point : > 100°C
Flammability (solid, gas) : Not applicable.
Explosive properties : Not applicable.
Explosion limits : Not applicable.
Oxidising properties : Not available.
Vapour pressure : Not applicable.
Relative density : 1 to 1.008 g/cm³ (20 °C)
Solubility : Easily soluble in cold water, hot water.
Octanol/water partition coefficient : Not applicable.
Viscosity : Not available.
Vapour density : Not available.
Evaporation rate (butyl acetate = 1) : Not applicable.

10. Stability and reactivity

- Stability** : Stable under normal conditions.
Materials to avoid : Extremely reactive or incompatible with the following materials: acids.
Do not mix with other products.

11. Toxicological information

Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
Ingestion : May cause burns to mouth, throat and stomach.
Skin contact : Corrosive to the skin.
Eye contact : Corrosive to eyes.
Carcinogenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

The product is not subject to ecological classification according to directive 1999/45/EC.

Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC.

13. Disposal considerations

- Methods of disposal** : Waste must be disposed of according to applicable regulations. Use as much of the contents as possible, according to instructions. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty.
- European waste catalogue (EWC)** : 200115*

14. Transport information**International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Benzalkonium chloride, Ethanolamine)	8	III	8
ADN Class	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Benzalkonium chloride, Ethanolamine)	8	III	8
IMDG Class	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Benzalkonium chloride, Ethanolamine). Marine pollutant	8	III	8

Follow special pack instructions for air transport.

15. Regulatory information**EU regulations****Hazard symbol/symbols**

Corrosive

Contains

Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides

Risk phrases

R34- Causes burns.

Safety phrases

S2- Keep out of the reach of children.
 S13- Keep away from food, drink and animal feeding stuffs.
 S23- Do not breathe gas, vapour or spray.
 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.
 S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R22- Harmful if swallowed.
 R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
 R34- Causes burns.
 R41- Risk of serious damage to eyes.
 R50- Very toxic to aquatic organisms.

History

Date of printing : 2 August 2007

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Notice to reader

MIKRO QUAT

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

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