



Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2009

Revision: 08.07.2008

1 Identification of substance

- **Product details**

- **Trade name**

MC-Rost EX

- **Application of the substance / the preparation**

Cleaning material/ Detergent

- **Manufacturer/Supplier:**

MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop

Tel.: ++49(0)2041-101-0

Fax.: ++49(0)2041-101-384

- **Informing department:**

Product safety department.
msds@mc-bauchemie.com

- **Emergency information:**

Tel.: ++49(0)178 310 10 43

2 Hazards identification

- **Hazard designation:**



C Corrosive

- **Information pertaining to particular dangers for man and environment**

R 35 Causes severe burns.

- **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

| | | | |
|-------------------|--------------------------|----------------|------|
| CAS: 79-42-5 | 2-mercaptopropionic acid | C, Xn; R 22-35 | <25% |
| EINECS: 201-206-5 | | | |

- **Additional information**

For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information**

Instantly remove any clothing soiled by the product.

- **After inhalation**

Supply fresh air; consult doctor in case of symptoms.

- **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

- **After eye contact**

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

- **After swallowing**

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

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5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Prevent material from reaching sewage system, holes and cellars. Dilute with much water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments.

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- **Breathing equipment:** Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:** Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves** Butyl rubber, BR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form: Fluid
Colour: Yellow
Smell: Like rotten eggs (mercaptans)

· Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: 94°C

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Steam pressure at 20°C:** 23 hPa

· **Density at 20°C** 1.02 g/cm³

· **Solubility in / Miscibility with Water:** Fully miscible

· **pH-value at 20°C:** 2.2

· **Viscosity:**
kinematic at 20°C: 12 s (DIN 53211/4 ut verm)

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

79-42-5 2-mercaptopropionic acid

Oral LD50 730 mg/kg (Ratte)

- **Primary irritant effect:**

- **on the skin:**

Caustic effect on skin and mucous membranes.

- **on the eye:**

Strong caustic effect.

- **Sensitization:**

No sensitizing effect known.

- **Additional toxicological information:**

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

12 Ecological information:

- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**

- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

06 00 00 WASTES FROM INORGANIC CHEMICAL PROCESSES

06 01 00 wastes from the manufacture, formulation, supply and use (MFSU) of acids

06 01 99 wastes not otherwise specified

- **Uncleaned packagings:**

- **Recommendation:**

Disposal must be made according to official regulations.

- **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

- **ADR/RID-GGVS/E Class:** 8 (C3) Corrosive substances.

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- **Kemler Number:** 80
 - **UN-Number:** 3265
 - **Packaging group:** III
 - **Label** 8
 - **Designation of goods:** 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2-mercaptopropionic acid)
-
- **Maritime transport IMDG/GGVSea:**
 - **IMDG/GGVSea Class:** 8
 - **UN Number:** 3265
 - **Label** 8
 - **Packaging group:** III
 - **EMS Number:** F-A, S-B
 - **Marine pollutant:** No
 - **Correct technical name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2-mercaptopropionic acid)
-
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** 8
 - **UN/ID Number:** 3265
 - **Label** 8
 - **Packaging group:** III
 - **Correct technical name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2-mercaptopropionic acid)

15 Regulatory information

- **Designation according to EC guidelines:** The product has been labelled in accordance with EC Directives / relevant national laws.
- **Code letter and hazard designation of product:**
 C Corrosive
- **Hazard-determining components of labelling:** 2-mercaptopropionic acid
- **Risk phrases:** 35 Causes severe burns.
- **Safety phrases:**
 - 20 When using do not eat or drink.
 - 23 Do not breathe fumes/aerosol.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases** 22 Harmful if swallowed.
 35 Causes severe burns.
- **Department issuing data
specification sheet:** Environment protection department.
- **Contact:** Mr. Hemming
- *** Data compared to the
previous version altered.**

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