

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date: 10.01.2006

Reviewed on: 10.01.2006

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** Degreasing salt A

Entfettungssalz A

- **Article number:** 86940800

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

- **Manufacturer/Supplier:**

Heimerle + Meule GmbH  
Dennigstrasse 16  
D-75179 Pforzheim  
www.heimerle-meule.com



Tel.: 0049/7231/940-0  
Fax.: 0049/7231/9402199

- **Further information obtainable from:**

Department chemistry and environment  
Abteilung Chemie und Umwelt

### 2 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components / Information on ingredients:**

CAS: 1310-73-2

EINECS: 215-185-5

EU Number: 011-002-00-6

sodium hydroxide



C; R 35 50-100%

### 3 Hazards identification

- **Hazard description:**



C Corrosive

- **Information concerning particular hazards for human and environment:**

R 35 Causes severe burns.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Additional information:** Silicate containing electrolytical degreasing, tensides

### 4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

- **Information for doctor:**

- **Hazards** Danger of gastric perforation.

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### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>. Do not use water.  
Sand. Do not use water.  
Extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Protective equipment:** Mount respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Particular danger of slipping on leaked/spilled product.  
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Prevent formation of dust.  
When diluting always pour product into water and not vice versa.  
Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.  
Provide suction extractors if dust is formed.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Provide solvent resistant, sealed floor.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

1310-73-2 sodium hydroxide

OES Short-term value: 2 mg/m<sup>3</sup>

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
Short term filter device:  
Filter P2

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**· Protection of hands:**

Protective gloves

**· Material of gloves**

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 goggles

**· Body protection:** Alkaline resistant protective clothing

### 9 Physical and chemical properties

**· General Information**

**Form:** Powder  
**Colour:** White  
**Odour:** Mild

**· Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

**· Flash point:** Not applicable.

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

**· Danger of explosion:** Product does not present an explosion hazard.

**· Density:** Not determined.

**· Solubility in / Miscibility with water:** Fully miscible.

**· pH-value at 20°C:** 13

**· Solvent content:**  
**Organic solvents:** 0.0 %

**· Solids content:** 100.0 %

### 10 Stability and reactivity

**· Thermal decomposition / conditions to be avoided:**

Depends on the additives.

No decomposition if used according to specifications.

**· Dangerous reactions**

Reacts with acids.

Reacts with earth alkaline metals.

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· **Dangerous decomposition products:** Possible in traces.

### 11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****1310-73-2 sodium hydroxide**

Oral LD50 2000 mg/kg (rat)

· **Primary irritant effect:**· **on the skin:** Strong caustic effect on skin and mucous membranes.· **on the eye:** Strong caustic effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

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

Corrosive

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

### 12 Ecological information

· **General notes:** Must not reach sewage water or drainage ditch undiluted or unneutralized.

### 13 Disposal considerations

· **Product:**· **Recommendation**

Contact manufacturer for recycling information.

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

· **Waste disposal key:** EWC : 11 01 98 - other wastes, containing dangerous substances· **Uncleaned packaging:**· **Recommendation:**

Packaging free of product remains is to be supplied refuse for recycling. Only if no adequate collecting system is available, they may be disposed of through the domestic rubbish

Packaging which is uncleaned or soiled with product remains is to be treated like the product itself

Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

· **Land transport ADR/RID (cross-border)**· **ADR/RID class:** 8 Corrosive substances.· **Danger code (Kemler):** 80· **UN-Number:** 3262· **Packaging group:** II· **Hazard label** 8

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· **Description of goods:** 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)· **Maritime transport IMDG:**

- **IMDG Class:** 8
- **UN Number:** 3262
- **Label** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

· **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3262
- **Label** 8
- **Packaging group:** II
- **Proper shipping name:** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

### 15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

C Corrosive

· **Hazard-determining components of labelling:**

sodium hydroxide

· **Risk phrases:**

35 Causes severe burns.

· **Safety phrases:**

20 When using do not eat or drink.

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).

60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Reasons for revise**

*If necessary, this safety data sheet can be revised according to legal guidelines.*

*Our current version for your reference is available on our website*

*www.heimerle-meule.com*

· **Relevant R-phrases**

*35 Causes severe burns.*

· **Department issuing MSDS:** *Department chemistry and environment*

· **Contact:**

*T.Knuth*

*Knuth@heimerle-meule.com*

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