

Printing date 12/15/2005

Reviewed on 12/15/2005

### \* 1 Identification of substance

· Product details

- Trade name: **Stone Cleaner**
- Article number: 10808, 10812, 10813
- Application of the substance / the preparation Cleaning agent/ Cleaner
- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg  
Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de
- Information department: Laboratory

### \* 2 Composition/Data on components

· Chemical characterization

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

· Dangerous components:

NTA (Nitrilotriessigsäure) und deren Salze Xn; R 22-36/38	1-5 %
Aliphatic alcohols, C13-C15, largely linear, ethoxylated Xn, N; R 22-41-50	12.5-25%
CAS: 112-34-5 EINECS: 203-961-6 EU Number: 603-096-00-8	<12.5%

- Additional information: For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- Hazard description: Xi Irritant
- Information pertaining to particular dangers for man and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
Risk of serious damage to eyes.
- Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4)  
Health = 2  
Fire = 0  
Reactivity = 0
- HMIS-ratings (scale 0 - 4)  
Health = 2  
Fire = 0  
Reactivity = 0

### 4 First aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Rinse with warm water.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.

### 5 Fire fighting measures

- Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

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### 6 Accidental release measures

- Person-related safety precautions: Particular danger of slipping on leaked/spilled product.
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 7 Handling and storage

- Handling:
- Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: No special measures required.
- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Protect from frost.

### 8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit 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 creation 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.
- Breathing equipment: Not necessary if room is well-ventilated.
- Protection of hands: Protective gloves
- Material of gloves: Butyl rubber, BR  
Fluorocarbon rubber (Viton)  
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.
- 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: Protective work clothing

### 9 Physical and chemical properties

- General Information
  - Form: Fluid
  - Color: Light yellow
  - Odor: Aromatic
- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
- Flash point: Not applicable.

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- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Vapor pressure at 20°C (68°F): 23 hPa (17 mm Hg)
- Density at 20°C (68°F): 1.01 g/cm<sup>3</sup>
- Solubility in / Miscibility with Water: Fully miscible.
- pH-value (1000 g/l) at 20°C (68°F): 10

**10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known.
- Dangerous products of decomposition: No dangerous decomposition products known.

**11 Toxicological information**

- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: No sensitizing effects known.
- Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

**12 Ecological information**

- General notes: Must not reach bodies of water or drainage ditch undiluted or unneutralized. Do not allow product to reach ground water, water course or sewage system. Water hazard class 2 (Self-assessment): hazardous for water

**13 Disposal considerations**

- Product:
- Recommendation: Must be specially treated adhering to official regulations.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations. Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

**14 Transport information**

- DOT regulations:
- Hazard class: -
- Land transport ADR/RID (cross-border):
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

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- Contact: Dieter Zimmermann
- \* Data compared to the previous version altered.

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