

Material Safety Data Sheet

According to 91/155 EEC

Printing date: 29.11.2006

Reviewed on: 29.11.2006

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

- **Product details**

- **Trade name:**

Stripping material - AMISUL

Abbeizmittel - AMISUL

- **Article number:** 77923195

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

- **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: 5329-14-6	sulphamic acid	<input checked="" type="checkbox"/> Xi; R 36/38-52/53	50-100%
EINECS: 226-218-8			
EU Number: 016-026-00-0			

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

3 Hazards identification

- **Hazard description:**



Xi Irritant

- **Information concerning particular hazards for human 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.

R 36/38 Irritating to eyes and skin.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Classification system:**

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

4 First-aid measures

- **General information:**

Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

Involve doctor immediately after a accident or unwell

- **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.

Immediately rinse with water.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** *Drink plenty of water and provide fresh air. Call for a doctor immediately.*

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** *Water with full jet*
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
*Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Sulfur oxides*
- **Protective equipment:**
*Wear self-contained respiratory protective device.
Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire*
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
*Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.*
- **Measures for environmental protection:**
*Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.*
- **Measures for cleaning/collecting:** *Dispose of the material collected according to regulations.*

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
*Keep receptacles tightly sealed.
Only handle and refill product in closed systems.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.*
- **Information about fire - and explosion protection:** *No special measures required.*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
*Store outdoors.
Prevent any seepage into the ground.*
- **Information about storage in one common storage facility:** *Not required.*
- **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.*

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· **Ingredients 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 valid during the making were used as basis.*

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

Short term filter device:

Combinationfilter ABEK-P2/P3

Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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:** *Protective work clothing*

9 Physical and chemical properties

· **General Information**

Form:	<i>Powder</i>
Colour:	<i>White</i>
Odour:	<i>Odourless</i>

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· **Change in condition***Melting point/Melting range: Undetermined.**Boiling point/Boiling range: Undetermined.*· **Flash point:** *Not applicable.*· **Ignition temperature:**· **Decomposition temperature:** *205°C*· **Self-igniting:** *Product is not selfigniting.*· **Danger of explosion:** *Product does not present an explosion hazard.*· **Density at 20°C:** *ca 2.2 g/cm³*· **Solubility in / Miscibility with water:** *Soluble.*· **pH-value (10 g/l) at 25°C:** *1.2*· **Solvent content:***Organic solvents: 0.0 %*· **Solids content:** *100.0 %*

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:***No decomposition if used and stored according to specifications.**To avoid thermal decomposition do not overheat.*· **Dangerous reactions** *Reacts with acids, alkalis and oxidizing agents.*· **Dangerous decomposition products:***Nitrogen oxides (NO_x)**Sulphur oxides (SO_x)*

11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:***5329-14-6 sulphamic acid*

<i>Oral</i>	<i>LD50</i>	<i>3160 mg/kg (rat)</i>
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· **Primary irritant effect:**· **on the skin:** *Irritant to skin and mucous membranes.*· **on the eye:** *Irritating 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:**Irritant*

12 Ecological information

· **Ecotoxicological effects:**· **Remark:** *Harmful to fish*· **General notes:***Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*

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Trade name:*Stripping material - AMISUL**Abbeizmittel - AMISUL**Harmful to aquatic organisms*

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13 Disposal considerations

· **Product:**· **Recommendation**

*Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Contact manufacturer for recycling information.*

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

· **Uncleaned packaging:**· **Recommendation:**

Disposal must be made according to official regulations.

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

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

· **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:** 2967

· **Packaging group:** III

· **Hazard label** 8

· **Description of goods:** 2967 SULPHAMIC ACID, mixture

· **Maritime transport IMDG:**

· **IMDG Class:** 8

· **UN Number:** 2967

· **Label** 8

· **Packaging group:** III

· **EMS Number:** F-A,S-B

· **Marine pollutant:** No

· **Proper shipping name:** SULPHAMIC ACID, mixture

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

· **ICAO/IATA Class:** 8

· **UN/ID Number:** 2967

· **Label** 8

· **Packaging group:** III

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· **Proper shipping name:** *SULPHAMIC ACID, mixture*

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:**



Xi Irritant

· **Risk phrases:**

36/38 Irritating to eyes and skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

37 Wear suitable gloves.

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

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **National regulations:**

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

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**

36/38 Irritating to eyes and skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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