

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.01.2015

Revision: 20.01.2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- Trade name: Mould stop No. 413
- Article number: 413
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- Application of the substance / the mixture Surface cleaning
- **1.3 Details of the supplier of the safety data sheet**
- Manufacturer/Supplier:  
AURO AG  
Alte Frankfurter Str. 211  
D-38122 Braunschweig  
nieder@auro.de
- Further information obtainable from: product safety department
- **1.4 Emergency telephone number:** During normal opening times: +49 531 281 41 19

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008  
Flam. Liq. 3 H226 Flammable liquid and vapour.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- 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.
- Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
- Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS02

- Signal word Warning
- Hazard statements  
H226 Flammable liquid and vapour.
- Precautionary statements
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground/bond container and receiving equipment.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64-17-5	ethanol	 Flam. Liq. 2, H225	25-50%
EINECS: 200-578-6			

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

#### 5.3 Advice for firefighters

Protective equipment: No special measures required.

### SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

#### 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

#### 7.2 Conditions for safe storage, including any incompatibilities

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: None.

7.3 Specific end use(s) No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

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

#### · 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

##### 64-17-5 ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

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

#### · 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures: Wash hands before breaks and at the end of work.

· Respiratory protection: Not required.

· Protection of hands:

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: Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid

Colour: According to product specification

· Odour: Characteristic

· Odour threshold: Not determined.

· pH-value at 20 °C: 3

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 78 °C

· Flash point: 21 - 55 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 425 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 3.5 Vol %

Upper: 15.0 Vol %

· Vapour pressure at 20 °C: 59 hPa

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· <i>Density at 20 °C:</i>	0.96 g/cm <sup>3</sup>
· <i>Relative density</i>	Not determined.
· <i>Vapour density</i>	Not determined.
· <i>Evaporation rate</i>	Not determined.
· <i>Solubility in / Miscibility with water:</i>	Fully miscible.
· <i>Partition coefficient (n-octanol/water):</i>	Not determined.
· <i>Viscosity:</i>	
<i>Dynamic:</i>	Not determined.
<i>Kinematic at 20 °C:</i>	12 s (DIN 53211/4)
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- *Thermal decomposition / conditions to be avoided:* No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- *Acute toxicity:*
- *Primary irritant effect:*
- *on the skin:* No irritant effect.
- *on the eye:* No irritating effect.
- *Sensitisation:* No sensitising effects known.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- *Aquatic toxicity:* No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- *Additional ecological information:*
- *General notes:*
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- *PBT:* Not applicable.
- *vPvB:* Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- *Recommendation* Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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· *European waste catalogue*

07 06 99 | wastes not otherwise specified

· *Uncleaned packaging:*· *Recommendation:* Disposal must be made according to official regulations.· *Recommended cleansing agents:* Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

· **14.1 UN-Number**· *ADR, IMDG, IATA*

UN1170

· **14.2 UN proper shipping name**· *ADR*

1170 ETHANOL (ETHYL ALCOHOL), mixture

· *IMDG*

ETHANOL (ETHYL ALCOHOL), mixture

· *IATA*

ETHANOL, mixture

· **14.3 Transport hazard class(es)**· *ADR, IMDG, IATA*· *Class*

3 Flammable liquids.

· *Label*

3

· **14.4 Packing group**· *ADR, IMDG, IATA*

III

· **14.5 Environmental hazards:**· *Marine pollutant:*

No

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· *Danger code (Kemler):*

33

· *EMS Number:*

F-E,S-D

· **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

· *Transport/Additional information:*· *ADR*· *Limited quantities (LQ)*

5L

· *Excepted quantities (EQ)*

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· *Transport category*

3

· *Tunnel restriction code*

D/E

· *IMDG*· *Limited quantities (LQ)*

1L

· *Excepted quantities (EQ)*

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· *UN "Model Regulation":*

UN1170, ETHANOL (ETHYL ALCOHOL), mixture, 3, III

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**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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.

- **Relevant phrases**  
H225 Highly flammable liquid and vapour.
- **Department issuing MSDS:** product safety department
- **Contact:** N.N.
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3

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