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

- **1.1 Product identifier**
- **Trade name:** AGITAN® 731
- **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**
  - Defoamers, Anti-foaming agent
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    - MÜNZING CHEMIE GmbH
    - Münzingstrasse 2
    - 74232 Abstatt, Germany
    - E-Mail: info@munzing.com
    - Tel.: +49 7151 987-100
- **Further information obtainable from:**
  - Product Safety Department
  - E-mail (MSDS): mds@munzing.com
- **1.4 Emergency telephone number:**
  - For Chemical Emergencies: CHEMTREC: +1 703 741 5970

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  - The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
  - **Void**
    - **Hazard pictograms**: Void
    - **Signal word**: Void
    - **Hazard statements**: Void
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT**: None.
    - **vPvB**: None.

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
  - **Description:**
    - polysiloxane modification
    - polyglycol
  - **Dangerous components**: Void

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **General information:**
    - No special measures required.
  - **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.

(Contd. on page 2)
The usual precautionary measures are to be adhered to when handling chemicals.

No special measures required.

No further data; see item 7.

· Use respirator protective device against the effects of fumes/dust/aerosol.

According to 1907/2006/EC, Article 31

SECTION 6: Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Wear protective clothing.
  Use respiratory protective device against the effects of fumes/dust/aerosol.

· Environmental precautions:
  Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· Reference to other sections
  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

· Precautions for safe handling
  No special measures required.

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

· 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: Store away from oxidising agents.

· Further information about storage conditions: None.

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

SECTION 8: Exposure controls/personal protection

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

· Control parameters
  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.

· Exposure controls
  Personal protective equipment:
  General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.
### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9.1 Information on basic physical and chemical properties</strong></td>
<td></td>
</tr>
<tr>
<td><strong>General Information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>Fluid</td>
</tr>
<tr>
<td>Colour</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Weak, characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value (20 g/l) at 20 °C</td>
<td>≥7 (DIN ISO 976)</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/freeze point</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Undetermined</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 100 °C (DIN EN ISO 2719)</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Ignition temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Product is not selfigniting</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Product does not present an explosion hazard</td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Density at 20 °C</strong></td>
<td>1.01 g/cm³ (DIN EN ISO 2811-1)</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

(Contd. on page 4)
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

General notes:

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9.2 Other information

12.4 Mobility in soil

Acute toxicity

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STOT-repeated exposure

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Primary irritant effect:

Based on available data, the classification criteria are not met.

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12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

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2.2 Persistence and degradability

No further relevant information available.

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12.3 Bioaccumulative potential

No further relevant information available.

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4.4 Mobility in soil

No further relevant information available.

Ecotoxic effects:

Behaviour in sewage processing plants:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Do not release untreated into natural waters.

· Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

(SECT. 10: Stability and reactivity)

· 10.1 Reactivity

No further relevant information available.

· 10.2 Chemical stability

· 10.3 Possibility of hazardous reactions

No decompositions 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 decomposition products known.

(SECT. 11: Toxicological information)

11.1 Information on toxicological effects

· Acute toxicity

Based on available data, the classification criteria are not met.

· Primary irritant effect:

· Skin corrosion/irritation

Based on available data, the classification criteria are not met.

· Serious eye damage/irritation

Based on available data, the classification criteria are not met.

· Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

· Germ cell mutagenicity

Based on available data, the classification criteria are not met.

· Carcinogenicity

Based on available data, the classification criteria are not met.

· Reproductive toxicity

Based on available data, the classification criteria are not met.

· STOT-single exposure

Based on available data, the classification criteria are not met.

· STOT-repeated exposure

Based on available data, the classification criteria are not met.

· Aspiration hazard

Based on available data, the classification criteria are not met.

(SECT. 12: Ecological information)

12.1 Toxicity

· Aquatic toxicity

No further relevant information available.

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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.

European waste catalogue

16 03 06 organic wastes other than those mentioned in 16 03 05

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/RID/ADN, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA Class Void

14.4 Packing group

ADR/RID/ADN, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:
Not a dangerous good to the above specifications.

UN "Model Regulation": Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

(Contd. of page 4)
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.

- **Department issuing SDS:**
  - Product Safety Department
  - E-Mail: msds@munzing.com

- **Abbreviations and acronyms:**
  - 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)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative

- *Data compared to the previous version altered.*