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

1.1 Product identifier

Trade name: AGITAN® P 801

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
Münzingerstrasse 2
74232 Abstatt, Germany
E-Mail: info@munzing.com
Tel.: +49 7131 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

Label according to Regulation (EC) No 1272/2008

Hazard pictograms Void
Signal word Void
Hazard statements Void
Additional information:
Safety data sheet available on request.

2.3 Other hazards

Risk of dust explosion

Results of PBT and vPvB assessment
PBT: None.
vPvB: None.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

| CAS: 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic Asp. Tox. I, H304 | 20-50% |
| EINECS: 265-155-0 | Reg.nr.: 01-2119467170-45 |

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

SECTION 4: First aid measures

4.1 Description of first aid measures

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

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

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.

(Contd. on page 2)
SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture:
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters:
Protective equipment: Do not inhale explosion gases or combustion gases.
Additional information:
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

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

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

6.3 Methods and material for containment and cleaning up:
Pick up mechanically.

6.4 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

7.1 Precautions for safe handling:
Keep away from heat and direct sunlight.
Prevent formation of dust.
Ensure good ventilation/exhaustion at the workplace.
Information about fire - and explosion protection:
Protect against electrostatic charges.
Keep ignition sources away - Do not smoke.
Dust can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities:
Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Information about storage in one common storage facility:
Store away from oxidising agents.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.

7.3 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.

• 8.1 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.

• 8.2 Exposure controls
  • Personal protective equipment:
    • General protective and hygienic measures:
      Immediately remove all soiled and contaminated clothing
      Wash hands before breaks and at the end of work.
      Avoid contact with the eyes.
      Do not inhale dust / smoke / mist.
    • Respiratory protection:
      In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure
      use self-contained respiratory protective device.
  • Protection of hands:
    Only use chemical-protective gloves with CE-labelling of category III.
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the
    degradation
  • Material of gloves
    Nitrile rubber, NBR
    Recommended thickness of the material: ≥ 0.4 mm
    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
    For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes
    (Permeation according to EN 374 Part 3: Level 6).
    The determined penetration times according to EN 374 part III are not performed under practical conditions.
    Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
  • Eye protection: Tightly sealed goggles
  • Body protection: Protective work clothing

 SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties
  • General information
    • Appearance:
      Form: Powder
      Colour: White
      Odour: Mild
      Odour threshold: Not determined.
    • pH-value (20 g/l) at 20 °C: ≈ 6 (DIN ISO 976)
    • Change in condition
      Melting point/freezing point: Undetermined.
### Initial boiling point and boiling range:
- Undetermined.

### Flash point:
- Not applicable.

### Flammability (solid, gas):
- Product is not flammable.

### Ignition temperature:
- Not determined.

### Decomposition temperature:
- Not determined.

### Auto-ignition temperature:
- Not determined.

### Explosive properties:
- Product is not explosive. However, formation of explosive dust/vapour mixtures are possible.

### Explosion limits:
- Lower: Not determined.
- Upper: Not determined.

### Oxidising properties:
- None.

### Vapour pressure:
- Not applicable.

### Density:
- Bulk density at 20 °C: ≈ 0.35 g/cm³ (DG F H-II 1b)
- Relative density: Not determined.
- Vapour density: Not applicable
- Evaporation rate: Not applicable

### Solubility in / Miscibility with water:
- Insoluble.

### Partition coefficient: n-octanol/water:
- Not determined.

### Viscosity:
- Dynamic: Not determined

### 9.2 Other information
- No further relevant information available.
Trade name: AGITAN® P 801

(Contd. of page 4)

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

<table>
<thead>
<tr>
<th>CAS: 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL50</td>
</tr>
<tr>
<td>EL50</td>
</tr>
</tbody>
</table>

· 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.

· Ecotoxicological 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
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
According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.
Self classification.

· 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.

· 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.

(Contd. on page 6)
### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>14.1 UN-Number</td>
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<td>14.2 UN proper shipping name</td>
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<td>14.4 Packing group</td>
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<td>14.5 Environmental hazards:</td>
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</tr>
<tr>
<td>Marine pollutant:</td>
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<tr>
<td>14.6 Special precautions for user</td>
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<tr>
<td>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</td>
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<tr>
<td>14.8 Transport/Additional information:</td>
<td>Not a dangerous good to the above specifications.</td>
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<td>UN &quot;Model Regulation&quot;:</td>
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</tbody>
</table>

### 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.
  - National regulations:
  - Waterhazard class: Water hazard class 1 (German AwSV, Self-assessment): slightly hazardous for water.
- 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
  - H304 May be fatal if swallowed and enters airways.

- 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)
  - LCL: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
Trade name: AGITAN® P 801

vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1

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