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

1.1 Product identifier

Trade name: AGITAN® A203E

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: Deoamfers, 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 7131 987-100

Further information obtainable from:
Product Safety Department
E-mail (MSDS): mds@munzing.com

1.4 Emergency telephone number: +49 761 19240 (Vergiftungs-Information-Zentrale VIZ Freiburg)

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

Additional information: Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: None.

tvPvB: None.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Reg.nr.</th>
<th>Component Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-53-6</td>
<td>265-156-6</td>
<td>01-2119480375-34</td>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>75-100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-55-8</td>
<td>265-158-7</td>
<td>01-2119487077-29</td>
<td>Distillates (petroleum), hydrotreated light paraffinic</td>
<td>5-&lt;10%</td>
</tr>
</tbody>
</table>

SVHC: None.

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. If symptoms persist, consult a doctor.
- 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:
  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.
- 5.2 Special hazards arising from the substance or mixture: Can form explosive gas-air mixtures.
- 5.3 Advice for firefighters
- Protective equipment: Do not inhale explosion gases or combustion gases.
- Additional information
  Cool endangered receptacles with water spray.
  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.
  Particular danger of slipping on leaked/spilled product.
  Ensure adequate ventilation
- 6.2 Environmental precautions:
  In case of seepage into the ground inform responsible authorities.
  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).
  Dispose of the material collected according to regulations.
- 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 aerosols.
  Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:
  Protect from heat.
8.1 Control parameters

- **CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**
  - ACGIH - TWA: Long-term value: 5 mg/m³
  - mineral oil mist

- **CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**
  - ACGIH-TWA: Long-term value: 5 mg/m³
  - oil mist

8.2 Exposure controls

- **Personal protective equipment:**
  - General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
  - Avoid contact with the eyes and skin.
  - Do not inhale gases / fumes / aerosols.
  - Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.

- **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.
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses
### SECTION 9: Physical and chemical properties

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

**General Information**

- **Appearance:** Fluid
- **Colour:** Yellowish
- **Cloudy**
- **Odour:** Light
- **Odour threshold:** Not determined.

- **pH-value (20 g/l) at 20 °C:** ≈ 7 (DIN ISO 976)

- **Change in condition**
  - **Melting point/freezing point:** Undetermined.
  - **Initial boiling point and boiling range:** Undetermined.

- **Flash point:** > 100 °C (DIN EN ISO 2719)

- **Flammability (solid, gas):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

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

- **Explosion limits:**
  - **Lower:** ≈ 0.6 Vol % (01-2119480132-48)
  - **Upper:** ≈ 6.5 Vol % (01-2119480132-48)

- **Oxidising properties:** None.

- **Vapour pressure:** Not determined.

- **Density at 20 °C:** ≈ 0.87 g/cm³ (DIN EN ISO 2811-1)
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with water:** Dispersible.

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

- **Viscosity:**
  - **Dynamic at 20 °C:** ≈ 500 mPas (DIN EN ISO 3219)
  - **Kinematic at 40 °C:** > 20.5 mm²/s (DIN EN ISO 51562)

#### 9.2 Other information

**No further relevant information available.**

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:**
  - No decomposition if used and stored according to specifications.
SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 &gt;5,000 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 &gt;5,000 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 &gt;5,000 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 &gt;5,000 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

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

SECTION 12: Ecological information

12.1 Toxicity
- Aquatic toxicity:

<table>
<thead>
<tr>
<th>CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LL50</td>
<td>&gt;100 mg/l (algae)</td>
</tr>
<tr>
<td></td>
<td>&gt;100 mg/l (daphnia)</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.
- Additional ecological information:
  - General notes:
    - Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.
    - According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.
    - 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.

(Contd. on page 6)
Trade name: AGITAN® A203E

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

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 cleaning agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

:: UN-Number
:: ADR/RID/ADN, ADN, IMDG, IATA Void

:: UN proper shipping name
:: ADR/RID/ADN, ADN, IMDG, IATA Void

:: Transport hazard class(es)
:: ADR/RID/ADN, ADN, IMDG, IATA
:: Class Void

:: Packing group
:: ADR/RID/ADN, IMDG, IATA Void

:: Environmental hazards:
:: Marine pollutant: No

:: Special precautions for user
:: Not applicable.

:: Transport in bulk according to Annex II of Marpol and the IBC Code
:: Not applicable.

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

:: UN "Model Regulation": Void

SECTION 15: Regulatory information

:: 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:
:: Water hazard class: Water hazard class 1 (German AwSV, Self-assessment): slightly hazardous for water.

(Contd. of page 5)
**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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Asp. Tox. 1: Aspiration hazard – Category 1

* Data compared to the previous version altered.