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

1.1 Product identifier
- Trade name: AGITAN® 702

1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available.

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

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
- Additional information:
  Safety data sheet available on request.
- PBT: None.
- vPvB: None.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
- Description:
  hydrocarbons
  hydrophobic silica
  mod. fatty product

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Reg.nr.:</th>
<th>Components</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-52-5</td>
<td>265-155-0</td>
<td>01-2119467170-45</td>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>20-50%</td>
</tr>
<tr>
<td>64742-53-6</td>
<td>265-156-6</td>
<td>01-2119480375-34</td>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>20-50%</td>
</tr>
<tr>
<td>8042-47-5</td>
<td>232-455-8</td>
<td>01-2119487078-27</td>
<td>White mineral oil (petroleum)</td>
<td>20-50%</td>
</tr>
</tbody>
</table>

(Contd. on page 2)
Keep ignition sources away - Do not smoke.

according to 1907/2006/EC, Article 31

· 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: Do not induce vomiting; call for medical help immediately.

· 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
  In case of fire, the following can be released:
  Carbon monoxide (CO)

· 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.
  Particular danger of slipping on leaked/spilled product.

· 6.2 Environmental precautions: 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
  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.

· Information about fire - and explosion protection:
  Protect from heat.
  Keep ignition sources away - Do not smoke.
Trade name: AGITAN® 702

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:

<table>
<thead>
<tr>
<th>CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic</th>
<th>ACGIH-TWA</th>
<th>Long-term value: 5 mg/m³ oil mist</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 8042-47-5 White mineral oil (petroleum)</td>
<td>ACGIH-TWA</td>
<td>Long-term value: 5 mg/m³ oil mist</td>
</tr>
</tbody>
</table>

- DNELs

<table>
<thead>
<tr>
<th>CAS: 8042-47-5 White mineral oil (petroleum)</th>
<th>Oral consumer, long-term exposure, systemic effects</th>
<th>40 mg/kg bw/day (human)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal worker, long-term exposure, systemic effects</td>
<td>220 mg/kg bw/day (human)</td>
<td></td>
</tr>
<tr>
<td>Inhalative consumer, long-term exposure, systemic effects</td>
<td>92 mg/kg bw/day (human)</td>
<td></td>
</tr>
<tr>
<td>Worker, long-term exposure, systemic effects</td>
<td>160 mg/m³ (human)</td>
<td></td>
</tr>
<tr>
<td>Consumer, long-term exposure, systemic effects</td>
<td>35 mg/m³ (human)</td>
<td></td>
</tr>
</tbody>
</table>

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

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.
  - 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).
## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **General Information**
  - **Appearance:**
    - Form: Fluid
    - Colour: Yellowish
  - **Odour:** Weak, characteristic
  - **Odour threshold:** Not determined.

- **pH-value (20 g/l) at 20 °C:** ≈ 5 (DIN ISO 976)

- **Change in condition**
  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: > 180 °C

- **Flash point:** > 140 °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: ≈ 1 Vol % (01-2119480375-34)
  - Upper: ≈ 10 Vol % (01-2119480375-34)

- **Oxidising properties:** None.

- **Vapour pressure:** Not determined.

- **Density at 20 °C:** ≈ 0.9 g/cm³ (DIN EN ISO 2811-1)

- **Relative density:** Not determined.

- **Vapour density:** Not determined.

- **Evaporation rate:** Not determined.

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

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

### 9.2 Other information

- **Viscosity:**
  - Dynamic at 20 °C: ≈ 250 mPas (DIN EN ISO 3219)
  - Kinematic at 40 °C: > 20.5 mm²/s (DIN EN ISO 5156)

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

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS: 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic</strong></td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
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<td><strong>CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic</strong></td>
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</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
</tbody>
</table>

- Primary irritant effect:
- Skin corrosion/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.

SECTION 12: Ecological information

- 12.1 Toxicity

<table>
<thead>
<tr>
<th>Aquatic toxicity:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS: 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic</strong></td>
</tr>
<tr>
<td>LL50</td>
</tr>
<tr>
<td>EL50</td>
</tr>
<tr>
<td><strong>CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic</strong></td>
</tr>
<tr>
<td>LL50</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

(Contd. of page 6)
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.

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 |

14.4 Packing group

| ADR/RID/ADN, IMDG, IATA | 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.
- 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.

Product 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)
DNEL: Derived No-Effect Level (REACH)
LD50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1