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

1. **1.1 Product identifier**
   - Trade name: AGITAN® A209

2. **1.2 Relevant identified uses of the substance or mixture and uses advised against**
   - Application of the substance / the mixture: Defoamers, Anti-foaming agent

3. **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): msds@munzing.com

4. **1.4 Emergency telephone number:** For Chemical Emergencies: CHEMTREC: +1 703 741 5970

**SECTION 2: Hazards identification**

2. **2.1 Classification of the substance or mixture**
   - Classification according to Regulation (EC) No 1272/2008
     The product is not classified as hazardous, according to the CLP regulation.

3. **2.2 Label elements**
   - Labelling according to Regulation (EC) No 1272/2008 Void
     - Hazard pictograms Void
     - Signal word Void

4. **2.3 Other hazards**
   - Results of PBT and vPvB assessment
     - PBT: None.
     - vPvB: None.

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

3. **3.2 Chemical characterisation: Mixtures**
   - Description:
     - hydrocarbons
     - non-ionic emulsifiers

   - Dangerous components:
     - CAS: 64742-56-9
     - EINECS: 265-159-2
     - Reg.nr.: 01-2119480132-48
     - Distillates (petroleum), solvent-dewaxed light paraffinic
     - Asp. Tox. T, H504
     - 75-100%

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

**SECTION 4: First aid measures**

4. **4.1 Description of first aid measures**
   - General information: Immediately remove any clothing soiled by the product.

(Contd. on page 2)
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.01.2021 Version number 1 Revision: 11.12.2020

Trade name: AGITAN® A209

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· 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 No further relevant information available.
· 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.
· 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
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.
· 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.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

- 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:
    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 16523-1:2015: Level 6).
    The determined penetration times according to EN 16523-1:2015 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
  - Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
  - Appearance:
    Form: Fluid
    Colour: Yellow-brown
    Odour: Slight
    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: > 250 °C
- 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 % (01-2119487077-29)
  - Upper: ≈ 6,5 Vol % (01-2119487077-29)
- 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: ≈ 1000 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 according to specifications.
- 10.3 Possibility of hazardous reactions
  Flammable vapour-air mixtures may develop if stored in large receptacles and above room temperature. Can react violently with oxygen rich (oxidising) material. Danger of Explosion.
- 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.
### 52.0.9

**LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Dermal LD50</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.

**Additional toxicological information:**

- **CMR effects (carcinogenity, 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

**Aquatic toxicity:**

<table>
<thead>
<tr>
<th>CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL50</td>
</tr>
<tr>
<td>EL50</td>
</tr>
<tr>
<td>&gt;100 mg/l (fish)</td>
</tr>
</tbody>
</table>

#### 12.2 Persistence and degradability

A part of the components is heavily biodegradable.
A part of the single components easily eliminable from water.

#### 12.3 Bioaccumulative potential

No further relevant information available.

#### 12.4 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:**
  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.

#### 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 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.

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
  - 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 relatif au transport international 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
  vPvB: very Persistent and very Bioaccumulative
  Asp. Tox. 1: Aspiration hazard – Category 1