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

- 1.1 Product identifier
- Trade name: AGITAN® 307

- 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 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
  - 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:
  Mixture: consisting of the following components.
  Hydrophobic defoaming agents and emulsifiers in medicinal white oil
  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.

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SECTION 5: Firefighting measures

5.1 Extinguishing media
5.2 Special hazards arising from the substance or mixture
5.3 Advice for firefighters
5.4 Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
6.2 Environmental precautions
6.3 Methods and material for containment and cleaning up
6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling
7.2 Conditions for safe storage, including any incompatibilities
7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities
8.1 Control parameters
8.2 Ingredients with limit values that require monitoring at the workplace
8.3 Additional information
8.2 Exposure controls

- Personal protective equipment:
  - General protective and hygienic measures:
    The usual precautionary measures are to be adhered to when handling chemicals.
  - Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.
  - Protection of hands:
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    Nitrile rubber, NBR
    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
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection:
    Goggles recommended during refilling
  - 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: Whitish
    - Odour:
      - Weak, characteristic
    - Odour threshold:
      - Not determined.
  - pH-value (20 g/l) at 20 °C:
    ≈7.5 (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.
  - Ignition temperature:
    - Not determined.
  - Decomposition temperature:
    - Not determined.
  - Auto-ignition temperature:
    - Product is not selfigniting.
  - Explosive properties:
    - Product does not present an explosion hazard.
  - Explosion limits:
    - Lower:
      - Not applicable
    - Upper:
      - Not applicable
  - Oxidising properties:
    - None.
  - Vapour pressure:
    - Not determined.
Safety data sheet  
according to 1907/2006/EC, Article 31

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- 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:  Emulsifiable.
- Partition coefficient: n-octanol/water:  Not determined.
- Viscosity:
  - Dynamic at 20 °C:  ≈1800 mPas (DIN EN ISO 3219)
  - Kinematic at 20 °C:  >20.5 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  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.
  - 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.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity:  No further relevant information available.
- 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.
- 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.
Safety data sheet
according to 1907/2006/EC, Article 31

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- Additional ecological information:
  - General notes: Not hazardous for water.
- 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.

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- National regulations:
  - Waterhazard class: Not 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.

- 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