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

- 1.1 Product identifier
  - Trade name: AGITAN® 960-R

- 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 Paper defoamer

- 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

- 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
  - Signal word Void
  - Hazard pictograms Void
  - Hazard statements Void

- Additional information:
  - Contains 1,2-benzenedithiol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
  - Safety data sheet available on request.

- 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: dispersion nonionic fatty derivates
  - 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.

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

5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- Special hazards arising from the substance or mixture: No further relevant information available.
- 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.
- Use respiratory protective device against the effects of fumes/dust/aerosol.

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: No special measures required.
- Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Store away from oxidising agents.
- Further information about storage conditions: None.

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.
Body protection:

- Goggles recommended during refilling

Nitrile rubber, NBR

EN

Odour threshold:

- Not determined.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:
  - Fluid
  - Colour: White
  - Odour: Mild
  - Odour threshold: Not determined.

- pH-value (20 g/l) at 20 °C:
  ≈ 6.5 (DIN ISO 976)

- Change in condition

  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: ≈100 °C

- 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.

(Contd. of page 4)
SECTION 10: Stability and reactivity

10.1 Reactivity  No further relevant information available.
10.2 Chemical stability
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
11.2 Acute toxicity  Based on available data, the classification criteria are not met.
11.3 Primary irritant effect
11.4 Skin corrosion/irritation  Based on available data, the classification criteria are not met.
11.5 Serious eye damage/irritation  Based on available data, the classification criteria are not met.
11.6 Respiratory or skin sensitisation  Based on available data, the classification criteria are not met.
11.7 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
11.8 Germ cell mutagenicity  Based on available data, the classification criteria are not met.
11.9 Carcinogenicity  Based on available data, the classification criteria are not met.
11.10 Reproductive toxicity  Based on available data, the classification criteria are not met.
11.11 STOT-single exposure  Based on available data, the classification criteria are not met.
11.12 STOT-repeated exposure  Based on available data, the classification criteria are not met.
11.13 Aspiration hazard  Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
12.2 Aquatic toxicity  No further relevant information available.
12.3 Persistence and degradability  No further relevant information available.
12.4 Bioaccumulative potential  No further relevant information available.
12.5 Mobility in soil  No further relevant information available.
Trade name: AGITAN® 960-R

· 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:
    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
    Smaller quantities can be disposed of with household waste.

· 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

(Contd. on page 6)
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:
    · Water hazard 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.

· 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
  · * Data compared to the previous version altered.