1 Identification of substance:
- Product details:
  - Trade name: TETRA AQUAZYME (Sludge Reducer)
- Article number: 890.723/USA
- Manufacturer/Supplier:
  Tetra Second Nature
  3001 Commerce Street
  Blacksburg, VA 24060-6671
  USA
- Additional information:
  Tetra (USA)
  Tel.: (540)951-5508
  Emergency information:
  Emergency Number Berlin
  +49 (0)30 19240

2 Composition/Data on components:
- Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components: Void
- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification
- Hazard description: not applicable
- Information pertaining to particular dangers for man and environment
  The product does not have to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
- Classification system
  The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.
- NPAA ratings (scale 0-4)
  Health = 0
  Fire = 0
  Reactivity = 0

4 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.

5 Fire fighting measures
- Suitable extinguishing agents
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
6 Accidental release measures
- Person-related safety precautions: Not required.
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collection: Pick up mechanically.
- Additional information: No dangerous substances are released.

7 Handling and storage
- Handling
  - Information for safe handling: No special measures required.
  - Information about protection against explosions and fires: No special measures required.
- Storage
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: None.

8 Exposure controls and personal protection
- Additional information about design of technical systems: No further data; see item 7.
- Components 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 that were valid during the creation were used as basis.
- Personal protective equipment
- General protective and hygienic measures
  - The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- 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
    - 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Not required.
9 Physical and chemical properties:

- General Information
  - Form: Solid.
  - Color: According to the description of the product
  - Odor: Characteristic

- Change in condition
  - Melting point/Melting range: undetermined
  - Boiling point/Boiling range: undetermined

- Flash point: Not applicable
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20°C (68°F): 0.729 g/cm³
- Solubility in water: Soluble

- Solvent content:
  - Organic solvents: 0.0 %
  - Solids content: 100.0 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  - No decomposition if used according to specifications.
  - Dangerous reactions: No dangerous reactions known.
  - Dangerous products of decomposition: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  - The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
  - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- General notes: Generally not hazardous for water.

13 Disposal considerations

- Product:
  - Recommendation: Smaller quantities can be disposed of with household waste.
**Trade name:** TETRA AQUAZYME

(Contd. of page 3)

- Uncleaned packagings:
  - Recommendations: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

**14 Transport information**

- Maritime transport IMDG:
- Marine pollutant: No

**15 Regulations**

- Cancerogenity categories
  - EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - MAK (German Maximum Workplace Concentration)
    None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    None of the ingredients is listed.

- Markings according to EU guidelines:
  - Observe the general safety regulations when handling chemicals.
  - The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

- National regulations
- Water hazard class: Generally not hazardous for water.

**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 MSDS:
  Tetra GmbH
  Herrenfelde 78
  49324 Melle
  Germany
  Legal Department
  Contact: Hr. J. Bähmann