

Printing date 12/03/2003

Reviewed on 12/03/2003

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.

• **NFPA 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.

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*· Protective equipment: No special measures required.***6 Accidental release measures**

- Person-related safety precautions: Not required.*
- Measures for environmental protection: No special measures required.*
- Measures for cleaning/collecting: 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- Eye protection: Not required.*

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9 Physical and chemical properties:

· General Information	
<i>Form:</i>	<i>Solid.</i>
<i>Color:</i>	<i>According to the description of the product</i>
<i>Odor:</i>	<i>Characteristic</i>
· Change in condition	
<i>Melting point/Melting range: undetermined</i>	
<i>Boiling point/Boiling range: undetermined</i>	
· Flash point:	<i>Not applicable</i>
· Auto igniting:	<i>Product is not selfigniting.</i>
· Danger of explosion:	<i>Product does not present an explosion hazard.</i>
· Density at 20°C (68°F):	<i>0.729 g/cm³</i>
· Solubility in / Miscibility with	
<i>Water:</i>	<i>Soluble</i>
· Solvent content:	
<i>Organic solvents:</i>	<i>0.0 %</i>
· Solids content:	<i>100.0 %</i>

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.*

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- *Uncleaned packagings:*
- *Recommendation: 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

· *Carcinogeny categories*

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

· *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
Herrenteich 78
49324 Melle
Germany
Legal Department
- *Contact: Hr. J. Böhmman*