1 Identification of substance:

- **Product details:**
  - **Trade name:** TETRA AQUA SAFE GOLDFISH
  - **Article number:** 823.301/USA 1
  - **Manufacturer/Supplier:** Tetra
    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.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6381-92-6 ethylenediaminetetraacetic acid disodium salt</td>
<td>Xn: R22</td>
</tr>
<tr>
<td>50-00-0 formaldehyde</td>
<td>T: R23/24/25-34-40-43</td>
</tr>
</tbody>
</table>

- **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 eyes for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.

(Contd. on page 2)
5 Fire fighting measures

- Suitable extinguishing agents
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Not required.
- Measures for environmental protection:
  Dilute with plenty of water.
  Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>50.00.0 formaldehyde (≤ 2.5%)</strong></td>
</tr>
<tr>
<td>PEL  Short-term value: 2 ppm</td>
</tr>
<tr>
<td>Long-term value: 0.75 ppm</td>
</tr>
<tr>
<td>see 29 CFR 1910.1048</td>
</tr>
<tr>
<td>REL  Short-term value: 0.1 * ppm</td>
</tr>
<tr>
<td>Long-term value: 0.016 ppm</td>
</tr>
<tr>
<td>*15-min</td>
</tr>
<tr>
<td>TLV  Short-term value: 0.37 mg/m³, C 0.3 ppm</td>
</tr>
<tr>
<td>SEN</td>
</tr>
</tbody>
</table>

- 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.
Trade name: TETRA AQUA SAFE GOLDFISH

(Contd. of page 2)

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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection**: Goggles recommended during refilling.

### 9 Physical and chemical properties:

**General Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Fluid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Colorless</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Characteristic</td>
</tr>
</tbody>
</table>

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

- **Flash point**: Not applicable

- **Auto igniting**: Product is not selfigniting.

- **Danger of explosion**: Product does not present an explosion hazard.

- **Vapor pressure at 20°C (68°F)**: 23.0 hPa (17 mm Hg)

- **Density at 20°C (68°F)**: 1.10 g/cm³

- **Solubility in / Miscibility with Water**: Fully miscible

- **pH-value at 20°C (68°F)**: 8.5

- **Solvent content**
  - Organic solvents: 0.1 %
  - Water: 81.1 %

- **Solids content**: 18.2 %

### 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.
Trade name: TETRA AQUA SAFE GOLDFISH

(Contd. of page 3)

- 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:
  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.

13 Disposal considerations

- Product:
  - Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- DOT regulations:
- Hazard class: -
- Land transport ADR/RID (cross-border)
  - ADR/RID class: -
- Maritime transport IMDG:
  - IMDG Class: -
  - Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
  - ICAO/IATA Class: -

15 Regulations

- Cancerogenity categories
- EPA (Environmental Protection Agency)
  None of the ingredients is listed.
- IARC (International Agency for Research on Cancer)
  9003-39-8 Kollidon 3
  50-00-0 formaldehyde 24

(Contd. on page 5)
Trade name: TETRA AQUA SAFE GOLDFISH

(Contd. of page 4)

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-00-0 formaldehyde</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TLV (Threshold Limit Value established by ACGIH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAK (German Maximum Workplace Concentration)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NIOSH-Ca (National Institute for Occupational Safety and Health)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OSHA-Ca (Occupational Safety &amp; Health Administration)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

- 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

- Technical instructions (air):

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wasser</td>
<td>81.1</td>
</tr>
<tr>
<td>1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

- Water hazard class: Water hazard class 1 (Self-assessment): slightly 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:
  - Jürgen Böhmann
  - Tetra GmbH
  - Tel.: +49(0)5422105-134