1 Identification

- **Product name:** Micro Organic Soap (Undiluted)
- **Part number:** 148-10000
- **Application of the substance / the mixture:** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  Allied High Tech Products Inc.
  2376 East Pacifica Place
  USA-RANCHO DOMINGUEZ, CA 90220
  USA
  info@alliedhightech.com
- **Information department:** Product safety department
- **Emergency telephone number:**
  During normal opening times: +1 (310) 635-2466
  Chemtrec: +1 (202) 483-7616

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS05 Corrosion
    Eye Dam. 1  H318  Causes serious eye damage.
  - GHS07
    Acute Tox. 4  H302  Harmful if swallowed.
- **Label elements**
  - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    - GHS05
    - GHS07
- **Signal word** Danger
- **Hazard-determining components of labeling:**
  Dodecylbenzolsulfonsäure, Verbindung mit 2,2'-2"-Nitrilotriethanol

(Contd. on page 2)
Product name: Micro Organic Soap (Undiluted)

Hazard statements
Harmful if swallowed.
Causes serious eye damage.

Precautionary statements
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection / face protection.
If swallowed: Call a poison center/doctor if you feel unwell.
Rinse mouth.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
NFPA ratings (scale 0 - 4)

Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1
Fire = 0
Reactivity = 0

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Hazardous Components:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-02-8</td>
<td>tetrasodium ethylenediaminetetraacetate</td>
<td>10-25%</td>
</tr>
<tr>
<td>64-02-8</td>
<td>Eye Dam. 1, H318; Acute Tox. 4, H302</td>
<td></td>
</tr>
<tr>
<td>27323-41-7</td>
<td>Dodecylbenzolsulfonsäure, Verbindung mit2,2',2''-Nitrilotriethanol</td>
<td>10-25%</td>
</tr>
<tr>
<td>27323-41-7</td>
<td>Acute Tox. 3, H301</td>
<td></td>
</tr>
</tbody>
</table>

Non-hazardous Components:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>26447-10-9</td>
<td>Benzenesulfonic acid, dimethyl-ammonium salt</td>
<td>10-25%</td>
</tr>
<tr>
<td>34398-01-1</td>
<td>Poly(oxy-, 1,2-ethanediyl), alpha-(undecyl)-omega-hydroxy</td>
<td>10-25%</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>water, distilled, conductivity or of similar purity</td>
<td>10-25%</td>
</tr>
</tbody>
</table>
4 First-aid measures

· Description of first aid measures
· General information:
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· 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. Then consult a doctor.
· After swallowing: Immediately call a doctor.
· Information for doctor:
  · Most important symptoms and effects, both acute and delayed: Coughing
  · Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5 Fire-fighting measures

· Extinguishing media
· Suitable extinguishing agents: Use fire fighting measures that suit the environment.
· Special hazards arising from the substance or mixture: No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
· Environmental precautions: No special measures required.
· Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Use neutralizing agent.
  Dispose contaminated material as waste according to item 13.
· 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.
· Protective Action Criteria for Chemicals

<table>
<thead>
<tr>
<th>PAC-1:</th>
<th>64-02-8 tetrasodium ethylenediaminetetraacetate</th>
<th>75 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAC-2:</td>
<td>64-02-8 tetrasodium ethylenediaminetetraacetate</td>
<td>830 mg/m³</td>
</tr>
<tr>
<td>PAC-3:</td>
<td>64-02-8 tetrasodium ethylenediaminetetraacetate</td>
<td>5,000 mg/m³</td>
</tr>
</tbody>
</table>

7 Handling and storage

· Handling:
· Precautions for safe handling: No special precautions are necessary if used correctly.
· Information about protection against explosions and fires: No special measures required.
**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **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.
- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**
      Keep away from foodstuffs, beverages and feed.  
      Immediately remove all soiled and contaminated clothing.  
      Wash hands before breaks and at the end of work.  
      Avoid contact with the eyes.  
      Avoid contact with the eyes and skin.  
  - **Breathing equipment:** Not required.
  - **Protection of hands:**
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    
    ![Protective gloves](image)

- **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:**
    
    ![Tightly sealed goggles](image)
9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Liquid
      - Color: Yellow
    - Odor: Ammonia-like
    - Odor threshold: Not determined.
  - pH-value at 20 °C (68 °F): 9.5
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: 100 °C (212 °F)
  - Flash point: Not applicable.
  - Flammability (solid, gaseous): Not applicable.
  - Decomposition temperature: Not determined.
  - Auto igniting: Product is not selfigniting.
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
  - Vapor pressure: Not determined.
  - Density: Not determined.
    - Relative density: Not determined.
    - Vapor density: Not determined.
  - Specific gravity at 25 °C (77 °F): 1.135 (Water = 1)
  - Evaporation rate: Not determined.
  - Solubility in / Miscibility with
    - Water: Fully miscible.
  - Partition coefficient (n-octanol/water): Not determined.
  - Viscosity:
    - Dynamic: Not determined.
    - Kinematic: Not determined.
  - Solvent content:
    - Water: 20.0 %
    - VOC content: 0.00 %
      - 0.0 g/l / 0.00 lb/gl
  - Other information No further relevant information available.

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  - Possibility of hazardous reactions: No dangerous reactions known.
  - Conditions to avoid: No further relevant information available.
47.0

· Incompatible materials: No further relevant information available.
· Hazardous decomposition products: No dangerous decomposition products known.
· Additional information: May etch alumina and zinc. Do not mix with other cleaners.

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:
· LD/LC50 values that are relevant for classification:
  ATE (Acute Toxicity Estimate)
  Oral LD50 417 mg/kg
  64-02-8 tetrasodium ethylenediaminetetraacetate
  Oral LD50 500 mg/kg (ATE)
  27323-41-7 Dodecylbenzolsulfonsäure, Verbindung mit2,2',2''-Nitrilotriethanol
  Oral LD50 100 mg/kg (ATE)
· Primary chemical irritant effect:
  · on the skin: No irritant effect.
  · on the eye: Strong irritant with the danger of severe eye injury.
· Sensitization: No sensitizing effects known.
· Additional toxicological information:
· Carcinogenic categories
  · IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  · NTP (National Toxicology Program)
    None of the ingredients is listed.
  · OSHA-Ca (Occupational Safety & Health Administration)
    None of the ingredients is listed.

12 Ecological information

· Toxicity
· Aquatic toxicity: No further relevant information available.
· Persistence and degradability No further relevant information available.
· Behavior in environmental systems:
· Bioaccumulative potential No further relevant information available.
· Mobility in soil No further relevant information available.
· Additional ecological information:
· General notes:
  Water hazard class 2 (Self-assessment): hazardous for water
  Do not allow product to reach ground water, water course or sewage system.
  Must not reach bodies of water or drainage ditch undiluted or unneutralized.
  Danger to drinking water if even small quantities leak into the ground.
· Results of PBT and vPvB assessment
  · PBT: Not applicable.
  · vPvB: Not applicable.
Product name: Micro Organic Soap (Undiluted)

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods
  · Recommendation: Contact waste processors for recycling information.

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

14 Transport information

· UN-Number
  · DOT, ADN, IMDG, IATA not regulated

· UN proper shipping name
  · DOT, ADN, IMDG, IATA not regulated

· Transport hazard class(es)
  · DOT, ADN, IMDG, IATA
  · Class not regulated

· Packing group
  · DOT, IMDG, IATA not regulated

· Environmental hazards:
  · Marine pollutant: No

· Special precautions for user
  · Not applicable.

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  · Not applicable.

· UN "Model Regulation":
  · not regulated

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
  · Sara
    · Section 355 (extremely hazardous substances):
      · None of the ingredients is listed.
    · Section 313 (Specific toxic chemical listings):
      · None of the ingredients is listed.
    · TSCA (Toxic Substances Control Act):
      · All ingredients are listed.
    · Proposition 65
      · Chemicals known to cause cancer:
        · None of the ingredients is listed.
      · Chemicals known to cause reproductive toxicity for females:
        · None of the ingredients is listed.
### Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

### Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

### Carcinogenic categories
- **EPA (Environmental Protection Agency)**
  None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**
  None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  None of the ingredients is listed.

### Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

### 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:** Environment protection department.
- **Contact:** Kim Dermit
- **Date of preparation / last revision** 06/04/2018 / -
- **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
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Acute Tox. 3: Acute toxicity – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1