1 Identification

- **Product identifier**
  - **Trade name**: Sani-Treet Plus - Peppermint
  - **Product description**: Environmentally and user friendly evacuation system cleaner, instrument presoak and ultrasonic cleaning solution designed for the dental, medical industries and veterinary industries. This product is a liquid with red coloring and peppermint scent.

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: Enzyme Industries of the U.S.A., Inc.
    - P.O. Box 2242
    - 2090 James Parkway
    - Heath, OH 43056
    - Phone: (740) 929-4975
    - Fax: (740) 929-4836
    - www.enzymeindustries.com
  - **Emergency telephone number**: (740) 929-4975

2 Hazard(s) identification

- **Classification of the substance or mixture**: The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
  - **GHS label elements**: Non-Regulated Material
  - **Hazard pictograms**: Non-Regulated Material
  - **Signal word**: Non-Regulated Material
  - **Hazard statements**: Non-Regulated Material
  - **Classification system**:
    - **NFPA ratings (scale 0 - 4)**
      - Health = 0
      - Fire = 0
      - Reactivity = 0
    - **HMIS-ratings (scale 0 - 4)**
      - HEALTH: Health = 0
      - FIRE: Fire = 0
      - REACTIVITY: Reactivity = 0

3 Composition/information on ingredients

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

- **Dangerous Components**:
  - Trade Secret
    - Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 ≤ 2.5%
  - Trade Secret
    - Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320 ≤ 2.5%

(Contd. on page 2)
4 First-aid measures

- Description of first aid measures
  - General information: No special measures required.
  - After inhalation:
    Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
    In case of unconsciousness, place patient securely on side position for transportation.
  - 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: Give large amounts of water. If symptoms persist consult doctor.
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture: No further relevant information available.
  - Advice for firefighters
  - Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to section 13.
  Ensure adequate ventilation.
- 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.

7 Handling and storage

- Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- Information about protection against explosions and fires: No special measures required.
- 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: Not required.
    - Further information about storage conditions: Keep receptacle tightly sealed.
    - Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see section 7.
**Trade name: Sani-Treet Plus - Peppermint**

- **Control parameters**
- **Components with occupational exposure limits:**
  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.
    - Wash hands before breaks and at the end of work.
  - **Breathing equipment:** Not required.
  - **Protection of hands:** Not required.
  - **Eye protection:** Goggles recommended during refilling.

- **9 Physical and chemical properties**

  - **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Liquid
      - **Color:** Red
    - **Odor:** Peppermint
    - **Odor threshold:** Not determined.
    - **pH of applied solution:** 6.0-8.0 - Link to pH analysis of applied solution
      - **pH-value @ 20 °C (68 °F):** 4.2
    - **Change in condition Melting point/Melting range:** Not determined.
      - **Boiling point/Boiling range:** 100 °C (212 °F)
    - **Flash point:** Not applicable.
    - **Flammability (solid, gaseous):** Not applicable.
    - **Ignition temperature:**
      - **Decomposition temperature:** Not determined.
    - **Auto igniting:** Product is not selfigniting.
    - **Danger of explosion:** Product does not present an explosion hazard.
  - **Explosion limits**
    - **Lower:** 0.0 Vol %
    - **Upper:** 0.0 Vol %
  - **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)
  - **Density @ 20 °C (68 °F):** 1 g/cm³ (8.345 lbs/gal)
    - **Relative density:** Not determined.
    - **Vapour density:** Not determined.
    - **Evaporation rate:** Not determined.
  - **Solubility in / Miscibility with Water:** Fully miscible.
  - **Partition coefficient (n-octanol/water):** Not determined. (Contd. on page 4)
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- **Viscosity:**
  - *Dynamic:* Not determined.
  - *Kinematic:* Not determined.

- **Solvent content:**
  - *Organic solvents:* 0.1 %
  - *Water:* 93.1 %
  - *VOC content:* 4.9 %
  - *Solids content:* 2.0 %

- **Other information:** pH of applied solution when mixed with tap water and used as directed: 6.0-8.0.

### 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.
  - *Incompatible materials:* No further relevant information available.
  - *Hazardous decomposition products:* No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - *Primary irritant effect:* No irritant effect.
    - *on the skin:* No irritating effect.
    - *on the eye:* No irritating effect.
  - *Additional toxicological information:* The product shows the following dangers according to internally approved calculation methods for preparations:
    - Harmful

- **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.
  - **Bioaccumulative potential:** No further relevant information available.
  - **Mobility in soil:** No further relevant information available.
  - **Additional ecological information:**
    - *General notes:* Water hazard class 1 (Self-assessment): slightly hazardous for water
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- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects No further relevant information available.

**13 Disposal considerations**

- Waste treatment methods
  - Recommendation: Recycle or dispose with household trash.
- 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, ADR, ADN, IMDG, IATA: Non-Regulated Material
- UN proper shipping name
- DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
- Transport hazard class(es)
- DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
- Class
- Packing group
- DOT, ADR, IMDG, IATA: Non-Regulated Material
- 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": -

**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):
    - Trade Secret
- TSCA (Toxic Substances Control Act):
  - Trade Secret
  - Trade Secret
  - 112-42-5 undecan-1-ol
  - 64-19-7 Glacial Acidic Acid
  - 7732-18-5 water, distilled, conductivity or of similar purity
- Proposition 65
  - Chemicals known to cause cancer:
    - None of the ingredients is listed.
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### 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

<table>
<thead>
<tr>
<th>Category</th>
<th>None of the ingredients is listed.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EPA (Environmental Protection Agency)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TLV (Threshold Limit Value established by ACGIH)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>NIOSH-Ca (National Institute for Occupational Safety and Health)</strong></td>
<td></td>
</tr>
</tbody>
</table>

### GHS label elements

- **Non-Regulated Material**
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material

### National regulations:
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

### State Right to Know

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undecan-1-ol</td>
<td>≤ 2.5%</td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335</td>
</tr>
<tr>
<td>Glacial Acidic Acid</td>
<td>≤ 2.5%</td>
<td>Flam. Liq. 3, H226; Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>112-42-5</td>
<td>≤ 2.5%</td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td>64-19-7</td>
<td>≤ 2.5%</td>
<td>Silicorne Emulsion</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>90-99%</td>
<td>Water, distilled, conductivity or of similar purity</td>
</tr>
</tbody>
</table>

All ingredients are listed.

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

### 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.

**Date of preparation / last revision**: 07/10/2014 / 1

**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)
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HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.
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