1 Identification

Product identifier
Trade name: Sani-Treet Country Meadow
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 purple coloring and country meadow 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)

\[
\begin{align*}
&\text{Health} = 0 \\
&\text{Fire} = 0 \\
&\text{Reactivity} = 0
\end{align*}
\]

HMIS-ratings (scale 0 - 4)

\[
\begin{align*}
\text{HEALTH} & \quad 0 \\
\text{FIRE} & \quad 0 \\
\text{REACTIVITY} & \quad 0
\end{align*}
\]

3 Composition/information on ingredients

7732-18-5 water, distilled, conductivity or of similar purity 90-99%

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

Dangerous Components:

\[
\begin{align*}
&\text{Trade Secret} \\
&\text{\(\small{\text{\ding{55}}}\) Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335} & \leq 2.5\%
\end{align*}
\]

\[
\begin{align*}
&\text{Trade Secret} \\
&\text{\(\small{\text{\ding{55}}}\) Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320} & \leq 2.5\%
\end{align*}
\]

(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 Country Meadow

- 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: Purple
  - Odor:
    Country Meadow
  - 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.
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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:**
      - on the skin: No irritant 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
Safety Data Sheet (SDS)

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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
  · 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**
  - 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.

- **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>Trade Secret</th>
<th>≤ 2.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>112-42-5 undecan-1-ol</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>SILICONE EMULSION</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>64-19-7 Glacial Acidic Acid</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>Flam. Liq. 3, H226; Skin Corr. 1A, H314</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>7732-18-5 water, distilled, conductivity or of similar purity</td>
<td>90-99%</td>
</tr>
</tbody>
</table>
  All ingredients are 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.

- **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)
Trade name: Sani-Treet Country Meadow

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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