

SAFETY DATA SHEETS

This SDS packet was issued with item:

072990000

N/A

Material Safety Data Sheet

page 1

1.) Chemical Product and Company Identification

Product Name: **Sani-Treet Plus - Country Meadow**
Product Description: Enzymatic Cleaner

Manufacturer:

Enzyme Industries, Inc.
P.O. Box 2242
2090 James Parkway
Heath, Ohio 43056
Phone: (740) 929-4975



Date prepared: 2-06-07

2.) Hazardous Ingredients/Identity Information

Components-Specific Chemical Identity;
Common Names
Hazardous Components 1% or Greater — None
Carcinogens 0.1% or Greater-None

3.) Physical/Chemical Characteristics

Boiling Point 212 Degrees F
Vapor Pressure(mmHg.) -
Vapor Density (AIR-1) -
Specific Gravity (H2O-1) 1.0
Melting Point -
Evaporation Rate -
(Butyl Acetate = 1)
Solubility in Water Complete
Appearance and Scent - Purple Liquid, Floral Scent
pH Concentrate: 4.2

pH of applied product when prepared and used as directed: 7.3-9.3

City water typically has a pH between 8 to 10. Mixing 1oz. of Sani-Treet Plus with water typically lowers the pH by .7 points on a pH meter. For example: 1oz. Sani-Treet Plus at a pH of 4.2 mixed with 32oz. City water at a pH of 8.0 will result in a pH of 7.3 for the prepared solution.

4.) Fire and Explosion Hazard Data

Flash Point (Method Use) >200 Degrees F(closed cup)
Flammable Limits LEL N/A
UEL N/A N/A aqueous
Extinguishing Media N/A
Special Fire Fighting Procedures N/A
Unusual Fire and Explosion Hazards None Known

5.) Reactivity Data

Stability - Unstable Stable X
_Conditions to Avoid - Strong Alkali/Acids
Incompatibility (materials to avoid) — Strong Alkali/Acids

Hazards Decomposition or Byproducts N/A
Hazardous Polymerization - May Occur May Not Occur X

6.) Health Hazard Data

Route(s) of Entry
Inhalation? Not Known
Skin? Prolonged contact may cause skin irritation, eye irritant
Ingestion? Avoid Not Determined

Health hazards (Acute and Chronic) Not Determined
Carcinogenicity - Not Determined
NTP? Not Determined
IARC Monographs Not Determined
OSHA Regulated Not Determined

Signs and Symptoms of Exposure
Ingestion may cause nausea, vomiting, diarrhea

Medical Conditions Generally Aggravated by Exposure
Skin irritation
Emergency and First Aid Procedures
Ingestion: Induce Vomiting
Skin, Eyes: Flush with Water

7.) Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled
-Flush with Water
Waste Disposal Method - Dispose of According to Local Ordinance

Precautions to be taken in Handling and Storing
-Wear Gloves and Safety Glasses
Other Precautions - Do Not Freeze

8.) Control Measures

Respiratory Protection (Specify Type) Not Required

Ventilation:
-Local Exhaust: Mechanical (General)
-Room Ventilation: N/A
-Special: N/A
-Other: N/A
Protective Gloves: Plastic/Rubber
Eye Protection: Safety Glasses
Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Practice Good Hygiene



P.O. Box 2242 • 2090 James Parkway • Heath, Ohio 43056 U.S.A.
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www.enzymeindustries.com

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 07/10/2014

Reviewed on 07/10/2014

* 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)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

* 3 Composition/information on ingredients

7732-18-5	water, distilled, conductivity or of similar purity	90-99%
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· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous Components:**

Trade Secret

≤ 2.5%

⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335

Trade Secret

≤ 2.5%

⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320

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* 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.

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- **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-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 product when mixed with city water and used as directed: 7.0-9.0.

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

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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 dipose 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**
- **Class** Non-Regulated Material
- **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		
· 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		
	Trade Secret	≤ 2.5%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	
	Trade Secret	≤ 2.5%
	⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320	
112-42-5	undecan-1-ol	≤ 2.5%
	SILICONE EMULSION	≤ 2.5%
64-19-7	Glacial Acidic Acid	≤ 2.5%
	⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314	
7732-18-5	water, distilled, conductivity or of similar purity	90-99%
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)

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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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