SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: CleanTree Enzymatic®

Recommended use of the chemical and restrictions on use: Pre-cleaning detergent used to pre-clean endoscopes and other heat sensitive devices that will be reused. It is intended for manual and automatic cleaning systems.

Supplier:
Alden Medical LLC
360 Cold Spring Avenue
West Springfield, MA 01089
USA
(413) 747-9717 Fax (413) 747-9721

Emergency Phone:
For Chemical Emergency
Spill, Leak, Fire, or Accident
Call **CHEMTREC** Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: 413-515-4155

SDS Date of Preparation: 09/21/2026

2. HAZARDS IDENTIFICATION

Physical:	Health:	Environmental
Not classified.	Respiratory Sensitization, Category 1.	Not classified.

Signal Word: Danger
Hazard Statement: May cause allergy or asthma symptoms or breathing difficulties if inhaled.



Precautionary Statements:
Avoid breathing mist or spray.
In case of inadequate ventilation, wear respiratory protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a poison center or doctor.
Dispose of contents/container in accordance with applicable regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
1,2-propanediol	57-55-6	10-30%
Subtilisin	9014-01-1	≤ 1%
Inert ingredients	Mixture	> 60%

The exact concentrations are withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Immediately flush eyes with plenty of water for at least 15 minutes while holding the eyelids apart. Remove contact lenses, if present and easy to do after the first 5 minutes, then continue flushing. If irritation persists seek medical attention.
Skin: Wash skin thoroughly with soap and water. If irritation persists seek medical attention. If clothing is contaminated remove clothing and thoroughly wash skin.
Ingestion: Do not induce vomiting. Give large amounts of water. Seek medical attention.
Inhalation: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a poison center or doctor.

Most important Symptoms: Inhalation of mists or aerosols may cause allergy or asthma symptoms, wheezing, coughing, or breathing difficulties. Respiratory effects may be delayed. May cause skin irritation. Inhalation of vapor or mists may cause irritation of the upper respiratory tract. If swallowed, may cause intestinal irritation and discomfort. May be harmful if swallowed, inhaled, or absorbed through the skin.

Indication of immediate medical attention/special treatment: Seek medical attention if ingested or if irritation persists after contact.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Water, Foam CO_2, Dry Chemicals
Specific hazards arising from the chemical: None identified.
Special Protective Equipment and Precautions for Fire-Fighters: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.
Explosion Data (sensitivity to mechanical impact or static discharge): Not determined.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Prevent contact with the eyes, skin and clothing. Wear appropriate protective clothing. Ventilate area. Avoid releases to the environment.

Methods and Materials for Containment and Cleaning Up: Contain and recover liquid if possible or absorb with an inert, non-combustible material such as earth, dry sand or vermiculite. Dilute large spills with a large amount of water and hold in a diked, well-ventilated area until disposal is possible. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent contact with the eyes, skin and clothing. Do not breathe vapors or mists. Wear protective clothing and equipment. Use only with adequate ventilation. Wash thoroughly with soap and water after handling.

Do not reuse containers. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, well-ventilated area away from heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: Not identified.
Engineering Controls: Recommend use of adequate general or local exhaust.
Respiratory Protection: In case of inadequate ventilation, wear appropriate respiratory protection suitable for mist or aerosol exposure.
Skin Protection: Latex rubber, butyl rubber, nitrile rubber, or polyethylene gloves are recommended to prevent skin contact.
Eye Protection: Safety goggles with side shields are recommended.
Other: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear straw colored liquid with slight yeast odor.

Physical State: Liquid	**Odor Threshold:** Not determined.
Vapor Density: Not determined	**Initial Boiling Point/Range:** Not determined.
Solubility In Water: Soluble	**Vapor Pressure:** Not determined.
Relative Density: Not determined.	**Evaporation Rate:** Not determined.
Melting/Freezing Point: Not determined.	**pH:** 7.0 – 8.0
VOC Content: Not determined.	**Octanol/Water Coefficient:** Not determined.
Solubility: Soluble in water	**Decomposition Temperature:** Not determined.
Viscosity: Not determined.	**Flammability (solid, gas):** Not determined.
Flashpoint: Nonflammable	**Autoignition Temperature:** Not determined.
Flammable Limits: LEL: Not determined. **UEL:** Not determined.	

10. STABILITY AND REACTIVITY

Reactivity: Not determined.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Not determined.
Conditions to Avoid: Avoid evaporation of product.
Incompatible Materials: Avoid bleach and strong acids.
Hazardous Decomposition Products: Not determined.
Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:
Eye: May cause irritation with redness and tearing.
Skin: May cause skin irritation.
Ingestion: May cause irritation to the throat, mouth, and gastrointestinal tract.
Inhalation: Inhalation of vapors or mists may cause irritation of the nose, throat and upper respiratory tract.

Chronic: Not determined.
Sensitization: Contains subtilisin, a respiratory sensitizer. Inhalation of mists or aerosols may cause allergic respiratory reactions in sensitized individuals.
Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
Germ Cell Mutagenicity: Not determined.
Reproductive Toxicity: Not determined.
Numerical Measures of Toxicity: Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not determined.
Persistence and Degradability Not determined.
Bioaccumulative Potential: Not determined.
Mobility in Soil: Not determined.

Other Adverse Effects: Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description: Not regulated

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard: Classified as hazardous due to Respiratory Sensitization, Category 1.

INTERNATIONAL CHEMICAL INVENTORY STATUS:

Australia AICS: All the components are listed.
Canada DSL: Not all of the components are listed.
China IECSC: All the components are listed.
European Union EINECS: Not all of the components are listed.
Japan ENCS: All the components are listed.
Korea KECL: Not all of the components are listed.
Philippines PICCS: All the components are listed.
New Zealand: All the components are listed.
United States TSCA: Not all of the components are listed.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 0 Instability = 0 Special Hazards = none
HMIS Rating: Health = 2 Flammability = 0 Physical Hazard = 0

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Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.