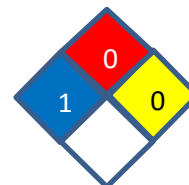




## SAFETY DATA SHEET

### Section 1: Identification

Product Name: Medical Enzyme Detergent ULTRA Concentrate NFPA  
 Product Code: 2000510, 2000516  
 Recommended Use: Instrument Cleaner  
 Manufacturer: Enzyme Solutions Incorporated  
 2105 Forrest Park Drive  
 Garrett, IN 46738 USA  
 Telephone #: +1-800-523-1323  
 FAX #: +1-260-553-9104  
 Website: www.enzymesolutions.com  
 Issue Date: 28-August-2013  
 Date of Last Revision: 19-August-2020  
 Emergency Contact: Chemtrec 1-800-424-9300 USA and Canada  
 Chemtrec 1-703-527-3887 Outside USA and Canada



HMIS

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	A

### Section 2: Hazard(s) Identification

GHS Pictogram:



Signal Word: WARNING  
 Hazard Statement: May cause skin and eye irritation.  
 Precautionary Statements: P264 - Wash hands and exposed areas thoroughly after handling.  
 P280 - Wear eye protection, protective gloves.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P305+P351 - IF IN EYES: Rinse cautiously with water for several minutes.

### Section 3: Composition / Information on Ingredients

Name	CAS No.	Function of Chemical
Water	7732-18-5	Solvent
Enzyme Blend	Trade Secret	Catalyst
Alcohol Ethoxylate	68439-46-3	Surfactant
Sodium Xylene Sulfonate	1300-72-7	Hydrotope
Sodium Borate Decahydrate	1303-96-4	Stabilizer
Sodium Tetraborate	1330-43-4	Stabilizer
Sodium Carbonate	497-19-8	Builder
1H-Benzotriazole	95-14-7	Corrosion Inhibitor
Masurf 916M	N/A	Surfactant
Glycerin	56-81-5	Solubilizer
Propylene Glycol	57-55-6	Solubilizer
Silicone AE-10 Defoamer	67762-90-7	Defoamer
Tetrasodium EDTA	64-02-8	Chelating Agent
DMDM Hydantoin	6440-58-0	Preservative
FD&C Blue #1	N/A	Colorant
Cherry Scent	N/A	Fragrance
Triethanolamine	102-71-6	PH Adjuster
Sodium Hydroxide Beads	1310-73-2	PH Adjuster

**Section 4: First Aid Measures**

Eye Contact:	Immediately flush with cool water for at least 20 minutes. Seek medical attention if irritation persists.
Skin Contact:	Immediately wash skin with soap and water for at least 20 minutes while removing contaminated clothing. Seek medical attention if irritation persists.
Ingestion:	Do NOT induce vomiting. Drink cool water. Call a physician or poison control center. Never give anything by mouth to an unconscious person.
Inhalation:	Move victim to fresh air. Seek medical attention immediately.

**Section 5: Fire Fighting Measures**

Extinguishing Media:	Use extinguishing measures appropriate to local circumstances and surrounding environment.
Flash Point:	Not applicable.
Auto Ignition Temperature:	Not applicable.
Specific hazards:	Not flammable or combustible.
Special protective equipment:	As in any fire, wear a self-contained breathing apparatus (SCBA), approved according to NFPA / NIOSH or equivalent and full protective gear.

**Section 6: Accidental Release Measures**

Personal Precautions:	Keep personnel from entering spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches and waterways.
Methods for Containment:	Contain spills with an inert absorbent material, (sand, earth, vermiculite) and place in container for disposal according to local and national regulations.
Methods for Cleanup:	Flush away traces with water and clean with mop or rags.

**Section 7: Handling and Storage**

Handling:	Use with adequate ventilation. Avoid breathing vapors, spray, or mist.
Storage:	Store in a cool dry place. Keep partially used containers closed and away from heat and humidity. Do not exceed storage temperature of (50 °C) 120°F. Keep out of reach of children.

**Section 8: Exposure Controls / Personal Protection**

Engineering Controls:	Good general ventilation should be sufficient.
Eye Protection:	Safety glasses are recommended but not required.

Skin Protection: Gloves are recommended but not required.  
 Respiratory Protection: Use an approved respirator if exposure limits are exceeded.  
 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

**Section 9: Physical and Chemical Properties**

Appearance: Liquid  
 Color: Blue Green  
 Odor: Cherry  
 pH: 8.5 - 9.5  
 Specific Gravity: 1.0340 - 1.0360  
 Freezing Point: Not determined.  
 Boiling Point: Not determined.  
 Flash Point: Not determined.  
 Water Solubility: Completely soluble.  
 Vapor Density: Not determined.  
 Vapor Pressure: Not determined.  
 Evaporation Rate: Not determined.

**Section 10: Stability and Reactivity**

Chemical Stability: Stable under normal conditions.  
 Hazardous Reactions: None known.  
 Conditions to Avoid: Extreme heat.  
 Incompatible Materials: None known.

**Section 11: Toxicological Information**

Likely Routes of Exposure: Inhalation, eye contact and skin contact.  
Potential Health Effects:  
 Eyes: Health injuries are not known or expected under normal use.  
 Skin: Health injuries are not known or expected under normal use.  
 Inhalation: May cause allergic respiratory reaction.  
 Chronic Exposure: Health injuries are not known or expected under normal use.

**Section 12: Ecological Information**

Ecotoxicity: Not determined.

Biodegradability: Not determined.

Bioaccumulation: Not determined.

### **Section 13: Disposal Considerations**

Waste Disposal: Dispose of in accordance with local, state and federal regulations.

### **Section 14: Transport Information**

Land Transport (DOT): Not dangerous goods.

Sea Transport  
(IMDG/IMO): Not dangerous goods.

Air Transport (IATA): Not dangerous goods.

### **Section 15: Regulatory Information**

TSCA Inventory: All components are listed.

CERCLA: Does not contain any components with reportable quantities.

SARA 302: None.

SARA 311/312 Hazards: Acute health hazard.

California Prop 65: None.

### **Section 16: Additional Information**

Date of preparation: 28-August-2013

Date of Last Revision: 19-August-2020

SDS Author: Enzyme Solutions Incorporated

## Medical Enzyme Detergent Ultra Concentrate

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