

Product Code: **IMS1224, IMS1224C, IMS1226, IMS1228**

# MATERIAL SAFETY DATA SHEET

Comply with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200.

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**HMIS RATING:** HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 0 PROTECTION = B

**NFPA RATING:** HEALTH = 2 FLAMMABILITY = 1 REACTIVITY = 0

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ENZYMAX LIQUID

**Manufacturer:** Hu-Friedy®  
3232 N. Rockwell Street  
Chicago, IL 60618-5982

**Emergency Contact:** 1-800-837-8522 (24 hours) or  
contact your regional Poison Control.

**MSDS Issue Date:** 11/11/2008

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Wt % (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>
Capryloamphodipropionate	68815-55-4	<5	N/D	N/D	N/D
Capryloamidopropyl betaine	73772-46-0	<5	N/D	N/D	N/D
Diethylene triamine pentamethylene phosphonic acid	15827-60-8	<5	N/D	N/D	N/D
Subtilisin	9014-01-1	<5	0.06µg/m <sup>3</sup>	N/D	N/D
Alpha-amylase	9000-90-2	<5	N/D	N/D	N/D
Perfume	N/A	<5	N/D	N/D	N/D
Geraniol*	106-24-1	<5	N/D	N/D	N/D
D-limonene*	5989-27-5	<5	N/D	N/D	N/D
Linalool*	78-70-6	<5	N/D	N/D	N/D

\* Perfume ingredient.

## SECTION 3 – HAZARD IDENTIFICATION

**Routes of Entry:** Eye contact, skin contact, inhalation, ingestion.

**Effects of Acute Exposure:**

**Inhalation:** None expected under normal use conditions. Improper use resulting in generation of mist may result sensitization in susceptible individuals. Subsequent exposure may cause allergic reactions in sensitized individuals.

**Eyes:** Contact will cause irritation and/or redness.

**Skin:** Prolonged or repeated contact may cause irritation.

**Ingestion:** Can cause irritation, nausea, and stomach distress.

**Effects of Chronic Exposure:** None known.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis and other pre-existing skin conditions.

**Carcinogenicity:** NTP: N/A

**IARC Monographs:** N/A

**OSHA Regulated:** N/A

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.

**Eyes:** Rinse with water for at least 15 minutes. If irritation persists, seek medical attention immediately.

**Skin:** Rinse with water. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth and throat with water. Drink a quart of water. Get medical attention immediately.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point (Method Used):** N/A

**Flammable Limits:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Foam, dry chemical, water fog, and carbon dioxide.

**Special Fire Fighting Procedures:** None.

**Unusual Fire and Explosion Hazards:** None.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps to Be Taken in Case Material is Released or Spilled:** Absorb spill with an absorbent material and place in a container for disposal. Wash the contaminated area with water.

## SECTION 7 – HANDLING AND STORAGE

**Precautionary Information:** Keep out of reach of children.

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**Handling and Storage Conditions:** Keep container closed when not in use. Store in a cool place. Avoid exposure to heat. Avoid inappropriate handling that may result in mist generation.

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**Ventilation:** General ventilation normally adequate.

**Respiratory Protection (Specific Type):** None.

**Protective Gloves:** Latex, rubber, nitrile, or polyethylene recommended.

**Eye Protection:** Safety glasses, chemical safety goggles, or face shield recommended.

**Other Protective Clothing or Equipment:** None.

**Work/Hygienic Practices:** None.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Violet

**Odor:** Lemon and Spearmint

**Specific Gravity (H<sub>2</sub>O = 1):** 1.08

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** N/A

**pH:** 8.75

**Product State:** Liquid

**Boiling Point:** N/D

**Vapor Pressure (mm Hg.):** N/D

**Vapor Density (AIR = 1):** N/D

**Solubility in Water:** Complete

**VOC:** N/D

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Strong oxidizing agents.

**Hazardous Decomposition or By-products:** May include and are not limited to oxides of carbon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid exposure to heat.

## SECTION 11- TOXICOLOGICAL INFORMATION

**Toxicological Data:** N/A

## SECTION 12- ECOLOGICAL INFORMATION

**Environmental Data:** N/A

## SECTION 13- DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all applicable local, state, and federal regulations.

## SECTION 14- TRANSPORTATION INFORMATION

**DOT Regulations (Ground):** Not regulated

**IATA Regulations (Air):** Not regulated

**Proper Shipping Name:** N/A

**Hazard Class Number and Description:** N/A

**UN/NA Number:** N/A

**Packaging Group:** N/A

## SECTION 15- REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product does not contain an amount of any chemical required to be reported under SARA 313.

## SECTION 16 – OTHER INFORMATION

**Additional Information:** Use as directed.

**Note:** N/A or N/D as an information entry means the data is not applicable or determined, respectively.

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