

MATERIAL SAFETY DATA SHEET

Revised/Reviewed: December 29, 2011

EZ-Zyme® Enzymatic Cleaner (REF 3-750, 3-755)

A phosphate-free, neutral pH, multiple enzymes formula used for ultrasonic cleaning and soaking of surgical and dental instruments.

Section 1- Product and Company Information

Manufactured for: Integra York PA, Inc., 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: --

Chemical Formula: --

In Case of Emergency: 1-800-535-5053

Section 2 – Composition/ Information on Ingredients

Hazardous Component: Subtilisins (proteolytic enzyme); CAS 9014-01-1; <5-percent; OSHA PEL (TWA) = N/A, ACGIH (TLV) = 0.06 ppb.

All other components are not considered hazardous according to the U.S. Federal Hazard Communication Standard (29 CFR 1910.1200).

Section 3 - Health Identification

Primary Route(s) of Entry: Inhalation, skin, and ingestion.

Health Hazards (Acute and Chronic): Not expected to be toxic via inhalation, skin, or ingestion. Repeated inhalation of enzyme spray or mist may cause allergic reaction in susceptible individuals. The product can be an eye and skin irritant in concentrate form. Do not inhale vapors or ingest.

Carcinogen: No known carcinogenic effects.

Signs and Symptoms of Exposure: Dermatitis, irritation and reddening of the eyes, asthma like symptoms from inhalation, and may cause mild nausea or diarrhea if ingested.

Medical Conditions Aggravated by Exposure: Asthma and dermatitis.

Section 4 - First Aid Measures

Eyes: Flush with tepid water for at least 15 minutes. Treat as any mild irritant. As needed, seek medical attention.

Skin: Wash affected area with copious amounts of water. Treat as any mild irritant.

Ingestion: Do not induce vomiting. As needed, seek medical attention.

Inhalation: Remove person to fresh air. As needed, seek medical attention.

Section 5 – Fire Fighting Measures

The Product is non-flammable.

Section 6 – Physical and Chemical Properties

Physical State: Liquid at ambient temperature.
Appearance and Odor: Brown, clear liquid with a characteristic odor.
Boiling Point (°C): 100
Specific Gravity (H₂O=1): 1.00 – 1.08
Vapor Pressure (mm Hg): As water
Vapor Density (Air=1): 1
Evaporation Rate (butyl acetate=1): As water
Solubility in Water: Infinite
pH: 4.2 to 5.2

Section 7 – Stability and Reactivity

Stability: Stable
Conditions to Avoid: None known.
Incompatibility/ Materials to Avoid: Oxidizing and reducing agents
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: None known.

Section 8 – Accidental Release, Disposal, and Ecological Information

Spill Response: Flush to sewage or any disposal system.
Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations. Generally, the material can be flushed to any disposal system.
Ecological, General: This material is not expected to be harmful to the environment.

Section 9 – Exposure Controls/ Personal Protection

Eye Protection: Goggles or lab safety glasses are recommended when working with concentrate.
Respiratory Protection: NIOSH-approved mask if mist likely.
Ventilation Recommendations: Normal
Skin Protection: Impervious gloves are recommended when working with concentrate.
Other: Apron

Section 10 – Storage and Handling

Storage: Enzymatic activity may be lost if temperature exceeds 130°F (55°C) or if pH exposure is below 2.5 or above 9.5.
Handling: Observe general good housekeeping practices

Section 11 – Miscellaneous

Toxicological Information: --
Transportation Information: Not a DOT hazardous material.
Other: --

Liability Disclaimer: MSDS information is provided based on OSHA's Hazardous Communication Regulation and for use of the persons required to receive this information under this regulation. The information is neither designed nor recommended for any other use or for use by any other person, including compliance with other laws. Integra York PA, Inc. (the "Company") does not warrant the suitability for use of this MSDS for any other material or product not specifically identified herein. The Company does not warrant the accuracy or authenticity of this MSDS unless it has been obtained directly from the Company, or posted or viewed on a Company website. This MSDS is based on information that is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under the Company's control, each user is responsible for making their own determination as to the safe and proper handling of this material in their own particular use of this material. The Company makes no representation or warranty, either expressed or implied, including as to merchantability or fitness for a particular purpose.