

# SAFETY DATA SHEET

Conforms with OSHA Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012



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

Revision Date: 03/23/2015

## SECTION 1 - IDENTIFICATION

### Product Identifier

**Product Name:** EZ-Zyme® Enzymatic Cleaner

**Product Code:** 3-750, 3-755

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use:** A phosphate-free, multiple enzymes formula used for ultrasonic cleaning and soaking of surgical and dental instruments.

**Restrictions on Use:** Product is not a sterilizing agent. All instruments must be autoclaved after cleaning.

### Details of the Supplier

**Manufactured for:** Integra York PA, Inc.  
589 Davies Dr.  
York, PA 17402 USA  
1-866-854-8300

### Emergency Phone Number

**24-Hour Number:** 1-800-535-5053

**International:** 1-352-323-3500

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Eye irritation, **Category 2B**; H320 - Causes eye irritation

### Label Elements

**Hazard Symbols(s):** None

**Signal Word(s):** Warning

**Hazard Statement(s):** Causes eye irritation.

**Precautionary Statements:** P305 + P351 + P338: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Other Hazards

Not known.

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration, %</u>
Proprietary Enzyme Formula	***	100%

The specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## SECTION 4 – FIRST AID MEASURES

### Emergency and First Aid Procedures

**Skin Exposure:**

May cause skin irritation. In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Eye contact:**

Causes eye irritation. Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention as needed.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Medical conditions possibly aggravated by exposure:**

None.

**Notes to physician:**

Treat symptoms and eliminate overexposure.

## SECTION 5 – FIRE-FIGHTING MEASURES

### Fire Hazard Data

**Flash Point:**

>140° F, Nonflammable.

**Method Used:**

Closed cup

**Flammability Limits (vol/vol %):**

**Lower:** No Data

**Upper:** No Data

**Extinguishing Media:**

None.

**Special Fire Fighting Procedures:**

Nonflammable.

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**Unusual Fire and Explosion Hazards:**

None.

**Hazardous Decomposition Materials (Under Fire Conditions):**

None.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Evacuation Procedures and Safety:**

None.

**Containment of Spill:**

Follow procedure described below under “Cleanup and Disposal of Spill” below.

**Cleanup and Disposal of Spill:**

Mop up any spilled product and discharge in accordance with local/regional/national/international environmental disposal regulations.

**Environmental and Regulatory Reporting:**

None.

## SECTION 7 – HANDLING AND STORAGE

**Minimum/Maximum Storage Temperatures:**

Store between 40° F and 120° F. Keep container closed when not in use.

**Handling:**

Avoid direct or prolonged contact with skin and eyes. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity.

**Storage:**

Store at room temperature. Store in tightly closed containers. Store in an area that is dry, well-ventilated; away from incompatible materials (see Section 10 • Stability and Reactivity).

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13 • Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**Exposure Guidelines:**

No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: General area dilution/exhaust ventilation.

**Respiratory Protection:**

Not required for properly ventilated area.

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**Eye/Face Protection:**

Recommended, but not required.

**Skin Protection:**

None required.

**Work Practice Controls:**

None required.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical Appearance:**

Dark amber brown clear liquid

**Odor:**

Characteristic scent

**Odor Threshold:**

Not determined

**pH:**

4.20 to 5.20

**Melting Point / Freezing Point Range:**

Not Available

**Initial Boiling Point and Boiling Range:**

100° C (212 F) at 760 mmHg

**Flash Point:**

>140° F. Closed cup

**Evaporation Rate:**

As water

**Flammability (solid, gas):**

Nonflammable

**Upper/Lower Flammability or Explosive Limits:**

Not Available

**Vapor Pressure:**

As water

**Vapor Density:**

1 (Air=1)

**Specific Gravity:**

1.03 to 1.10 at 20° C

**Water Solubility:**

Completely soluble

**Partition Coefficient (n-octanol/water):**

No data available.

**Auto-ignition temperature:**

No data available.

**Decomposition temperature:**

No data available.

**Percent Volatiles by Volume:**

Nonvolatile

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**Viscosity:**  
Not available

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:**

No data available.

**Chemical stability:**

This material is stable under normal handling and storage conditions described in Section 7.

**Possibility of hazardous reactions:**

Hazardous polymerization will not occur.

**Conditions to avoid:**

None

**Incompatible Materials:**

None

**Hazardous decomposition products:**

None

## SECTION 11 – TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

**Acute Eye Irritation:**

**Toxicological Information and Interpretation:**

Eye - Mild eye irritation.

**Acute Skin Irritation:**

No test data found for product.

**Acute Dermal Toxicity:**

No test data found for product.

**Acute Respiratory Irritation:**

No test data found for product.

**Acute Inhalation Toxicity:**

No test data found for product.

**Acute Oral Toxicity:**

No test data found for product.

**Chronic Toxicity:**

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens. No additional test data found for product.

11.1.11 Aspiration hazard      No data

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicological Information:**

No data found for product.

**Chemical Fate Information:**

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## SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable municipal, provincial, state or national regulations. Not classified as dangerous according to transport regulations.

## SECTION 14 – TRANSPORT INFORMATION

Not classified as dangerous according to transport regulations.

## SECTION 15 – REGULATORY INFORMATION

### Inventory Status

UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	Y
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

### Chemical Safety Assessment

No additional information available.

## SECTION 16 – OTHER INFORMATION

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