



Material Safety Data Sheet

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FOR CHEMICAL EMERGENCY
CALL INFOTRAC
1-800-535-5053
24 Hrs. per day, 7 days per week

Hazard Rating
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant
H = Hazardous

Table with 4 rows: Health (2), Flammability (0), Reactivity (0), Personal Protection (0)

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1 - PRODUCT IDENTIFICATION

Product Name: Zymex Enzymatic Cleaner, all sizes
Chemical Name: Aqueous mixture of enzymes and surfactants.
Synonyms: Enzymatic Cleaning Solution Concentrate

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2 - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Components:

Isopropyl Alcohol (less than 10%), CAS# 67-63-0
Triethanolamine (less than 10%), CAS# 102-71-6

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3 - HEALTH HAZARD DATA

Effects of Over Exposure: May be harmful by inhalation, ingestion or skin absorption. May cause eye irritation upon contact and skin irritation with repeated contact.

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4 - FIRST AID MEASURES

For eyes and skin contact, flush immediately with plenty of water.
Inhalation: allow victim to rest in a well-ventilated area. If symptoms of irritation or sensitization occur such as shortness of breath, wheezing, or labored cough, call a doctor immediately.
Ingestion: Do not induce vomiting, seek immediate medical attention.

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5 - FIRE AND EXPLOSION DATA

Extinguishing Method: Material is not flammable.
Special Fire Fighting Precautions: None.
Unusual Fire and Explosion Hazards: No unusual fire and explosion hazards exist.

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6 - ACCIDENTAL RELEASE MEASURES

Clean-Up Procedures: Contain spill using noncombustible materials such as vermiculite sand, or earth. Collect in suitable waste disposal containers and dispose of in accordance with federal, stat and local laws and regulations.

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7 - HANDLING AND STORAGE

Precautions: Keep away from reach of children.
Handling: Keep containers tightly closed when not in use. Avoid contact with skin and eyes.
Storage: Avoid prolonged periods of storage at high temperatures.

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**8 - EXPOSURE CONTROLS / SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Not required under normal usage conditions.  
Ventilation: Provide general and/or local exhaust ventilation.  
Protective Gloves: PVC or Nitrile gloves  
Eye Protection: Safety glasses or splash goggles recommended  
Other Protective Equipment: None

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**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: ND Vapor Pressure: ND  
pH: 7.0 Specific Gravity: 1.03 @ 25 °C  
Solubility in Water: 100% by wt Melting Point: N/A  
Flash Point: None determined Appearance and Odor: Clear, green-colored liquid with mint odor.

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**10 - STABILITY AND REACTIVITY DATA**

Stability: This material is stable under normal conditions of use.  
Stability Condition to Avoid: High temperature  
Incompatibility: Slightly reactive to oxidizing agents. Triethanolamine can decompose at elevated temperatures.  
Hazardous Decomposition Products: No data available  
Hazardous Polymerization: Will not occur

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**11 – DISPOSAL CONSIDERATIONS**

An acceptable method of disposal is to dilute with a large amount of water followed by discharge into a suitable treatment system in accordance with all regulatory agencies.

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**12 - REQUIREMENTS FOR TRANSPORTATION**

Proper Shipping Name: Enzymatic Cleaner  
Hazardous Classification: Not DOT Regulated  
Identification Number: None  
Additional Labeling: None  
IMCO Class (International Travel): Not Regulated

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**13 - REGULATORY INFORMATION**

ACGIH TLV:  
Isopropyl Alcohol: 400 ppm TWA  
Triethanolamine: TLV not established

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**14 - OTHER INFORMATION**

For industry use only.

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**NOTICE TO READER**

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Sultan Chemists, Inc., assumes no responsibility for the completeness or accuracy of the information contained herein.

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