

# Material Safety Data Sheet



**Sultan HealthCare, Inc.**

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

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Date Revised: July 12, 2006

**1. Chemical Identification**

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

**2. Composition/Information on Ingredients**

Isopropyl Alcohol CAS # 67-63-0 Percent: less than 10%  
Triethanolamine CAS # 102-71-6 Percent: less than 10%

**3. Hazards Identification**

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.

**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.

**5. Fire Fighting Measures**

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

**6. Accidental Release Measures**

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

**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.

**8. Exposure Controls/Personal Protection**

Respiratory Protection: Not required under normal usage conditions  
Eye Protection: Safety glasses or splash goggles recommended  
Exhaust Required: Provide general and/or local exhaust ventilation.  
Protective Gloves: PVC or Nitrile gloves  
Special Protective Clothing:

**9. Physical and Chemical Properties**

Appearance and Odor: Clear, green-colored liquid with mint odor.  
Solubility in Water: 100% by wt  
pH (@ 25 °C): 7.0  
Boiling Point (°C): ND  
Melting Point: N/A  
Vapor Pressure (mm Hg @ °C): ND  
Specific Gravity (H<sub>2</sub>O = 1): 1.03 @ 25 °C

**10. Stability and Reactivity**

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

**11. Toxicological Information:**

No data available.

**12. Ecological Information**

No data available.

**13. 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.

**14. Transit Information**

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

**15. Regulatory Information**

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

**16. Other Information**

For industry use only.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. General properties are to be regarded as guidelines and are not guaranteed for all samples.