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### Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910. 1200. Standard must be  
Consulted for specific requirements.

### Hazard Rating

4 - EXTREME  
3 - HIGH  
2 - MODERATE  
1 - SLIGHT  
0 - INSIGNIFICANT



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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**EPICHEM 407**

MSDS Date: April 9, 2008

### COMPANY IDENTIFICATION

Epicor, Incorporated  
1414 East Linden Avenue  
Linden, New Jersey 07036  
Fax: (908) 925-7795  
E-mail: epicorinc@aol.com

### 24-HOUR EMERGENCY TELEPHONE NUMBER

(908) 925-0800

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

2-Propenoic acid, sodium salt, polymer with 2-propenamide  
Water  
Urea

CAS# 25987-30-8  
CAS# 7732-18-5  
CAS# 57-13-6

## 3. HAZARDS IDENTIFICATION

Health: This product has no known adverse effect on human health.

Physical Hazards: Organic powders may be capable of generating static discharges and creating explosive mixtures in air. Handle with caution. Slip hazard when wet.

## 4. FIRST AID

Eye Contact: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin: Wash off immediately with soap and water. Consult a physician if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

## **5. FIRE FIGHTING MEASURES**

Standard procedures for chemical fires. This product becomes slippery when wet.

### Flammable Properties

Flash Point: Not applicable

Method Used: Not applicable

### Flammability Limits

LEL: Not applicable

UEL: Not applicable

### Hazardous Combustion Products

Toxic combustion products include oxides of carbon and nitrogen.

### Other Flammability Information

This material will not burn until the water has been evaporated. Residue can burn or smolder.

### Extinguishing Media

Carbon dioxide, dry chemical or foam

### Fire Fighting Instructions

Keep people away. Isolate fire area and deny unnecessary entry. Cool surroundings with water to localize fire zone. Soak thoroughly with water to cool and prevent re-ignition.

### Fire-Fighting Equipment

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

## **6. ACCIDENTAL RELEASE MEASURES**

### Protect People

May be a slipping hazard. Use appropriate safety equipment. Avoid dust formation.

### Protect the Environment

Avoid contamination of drinking water, natural water, ground water or any waterway.

### Clean Up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

## **7. HANDLING AND STORAGE**

### Handling

As with all industrial chemicals, use good industrial practices when handling.

### Storage

Material should be stored at ambient temperatures in a well ventilated place.

### Other Precautions

Dust in sufficient concentration may result in an explosive mixture in air.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### Engineering Controls

Good general ventilation should be sufficient for most conditions.

### Personal Protective Equipment

Eye / Face Protection: Use chemical goggles or safety glasses.

Skin Protection: Wear chemically resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved dust respirator as needed to mitigate exposure.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance / Physical State: White Granular Powder

Odor: Odorless

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Boiling Point: Not applicable

Solubility in Water: Limited by viscosity.

Specific Gravity: ~0.75

Melting Point: Not applicable

Evaporation Rate: Not applicable

## **10. STABILITY AND REACTIVITY**

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Avoid wet and humid conditions.

Incompatibility with other Materials: Avoid contact with concentrated nitric acid or any other strong oxidizing agents at all times.

Hazardous Decomposition or Byproducts: Thermal decomposition may yield oxides of carbon and nitrogen, various hydrocarbons, and/or ammonia which may be irritating or harmful. No decomposition is expected under normal storage conditions.

## **11. TOXICOLOGICAL INFORMATION**

None of the components of this product in concentrations > 0.1% are listed as carcinogenic.

## **12. ECOLOGICAL INFORMATION**

### **Environmental Toxicity**

Toxicity to fish: LC50 18 mg/l 96 hr. (Rainbow trout)

Toxicity to Invertebrates: EC50 >50 mg/l 48 hr. (Daphnia magna)

## **13. DISPOSAL CONSIDERATIONS**

Dispose of in facilities meeting local, state and federal regulations.

## **14. TRANSPORTATION INFORMATION**

UN CLASS	Not Applicable	UN NO.	Not Applicable
IMDG	Not Applicable	IATA/ICAO	Not Applicable
RID	Not Applicable	ADR	Not Applicable

## **15. REGULATORY INFORMATION**

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200)

This product contains 2-propenamide listed as a hazardous air pollutant as defined by the U.S. Clean Air Act Section 112 (40 CFR 61), an extremely hazardous substance under SARA Section 302 and a carcinogen under California Proposition 65

Please follow all regulations in your country.

## **16. OTHER INFORMATION**

None

The information contained herein relates only to the specific material identified. Epicor Incorporated believes the information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made to the accuracy, reliability, or