

# Fire Suppression Products

PO Box 8546  
Grand Rapids MI 49518

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## MATERIAL SAFETY DATA SHEET

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Date of Preparation: March 29, 2004  
Revision Number: 1  
Emergency Telephone Number: (616) 723-1003

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Product Name:

**FIRE CAP###**

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### **SECTION 1: PRODUCT IDENTIFICATION**

Chemical Family: Surfactant mixture; fire fighting foam concentrate

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### **SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS**

Name of Ingredient: Proprietary Mixture

It should be noted, none of the constituents of the product is regarded as carcinogenic by any reference cited by OSHA under 29 CFR 191031200.

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### **SECTION 3: HAZARDS IDENTIFICATION**

Routes of Entry: Dermal, inhalation and ingestion  
Potential Health Effects: May cause skin and eye irritation  
Carcinogenicity: Not a carcinogen

#### **SECTION 4: FIRST AID MEASURES**

Ingestion: Do not induce vomiting. Call a physician.  
Inhalation: Remove to fresh air.  
Eyes: Rinse with water. Call a physician.  
Skin: Rinse with water. Wash with soap and water. Wash contaminated clothing before re-use.

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#### **SECTION 5: FIRE FIGHTING MEASURES**

Flash Point: >200 °F COC  
Flammable Limits in air (lower % by volume): not evaluated  
Flammable Limits in air (upper % by volume): not evaluated  
Auto-ignition Temperature: not evaluated

General Hazards: None known  
Fire Fighting Equipment: Self contained breathing apparatus  
Fire Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical, Halon  
Fire and Explosion Hazards: Decomposition products may be toxic

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#### **SECTION 6: ACCIDENTAL RELEASE**

Contain spills. Vacuum or pump into storage containers, absorb smaller quantities with absorbent materials, and dispose of properly. Washing area with water will create large amounts of foam. Dispose of released and contained material in accordance with local, state and federal regulations. Release to local waste treatment plant only with permission.

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#### **SECTION 7: HANDLING AND STORAGE**

Store in original container, or appropriate end-use device. Store at temperatures of 32°F-120°F. If the material freezes, it may be thawed without loss of performance.

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## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

Eye Protection: Wear side-shield safety glasses  
Skin Protection: Wear latex gloves  
Respiratory Protection: Use organic vapor respirator if needed.

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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 212 °F  
Melting Point: 40 °F  
Specific Gravity: 1.01 g/ml  
Vapor Pressure: N/A  
pH: 7.0 - 7.3  
Flash Point (PMCC): >199 °F COC  
Vapor Density (air = 1): N/A  
Solubility in water: 100%  
Appearance: clear blue liquid.  
Odor: slight solvent odor.

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## **SECTION 10: STABILITY AND REACTIVITY**

Stability: Stable  
Incompatibility: Strong oxidizers  
Hazardous Polymerization: Will not occur

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

Eye Irritation: (Rabbits) mild irritant  
Skin Irritation: (Rabbits) minimal irritant  
Inhalation Toxicity: not evaluated  
Sensitization: not evaluated  
Teratology: not evaluated  
Mutagenicity: not evaluated  
Reproduction: not evaluated  
Acute Oral Effects (Rats): not evaluated

## **SECTION 12: ECOLOGICAL INFORMATION**

	<u>CONCENTRATE</u>	<u>SOLUTION (AS USED 0.5%)</u>
Chemical Oxygen Demand:	760,000 mg/l	3800 mg/l

Biological Oxygen Demand (20 day):	417,000 mg/l	2085 mg/l
Biodegradability (B.O.D./C.O.D.)	55%	55%
Total Organic Carbon:	Not Determined	Not Determined
LC50 (96-hour pimephales promelas)	Not Determined	Not Determined
LD50 (48 hour, daphnia magna)	Not Determined	Not Determined

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### **SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state, and federal regulations. Discharge to waste treatment plants only with permission. Anti-foam agents may be used to reduce foaming in waste streams.

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### **SECTION 14: TRANSPORTATION INFORMATION**

Department of Transportation proper shipping name: Not Regulated

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### **SECTION 15: REGULATORY INFORMATION**

All ingredients are on the TSCA inventory.  
No components are reportable under SARA Title III, sec 313  
No components are priority pollutants listed under the U.S. Clean Water Act Section 307 (2) (1) Priority Pollutant List (40 CFR 401.15).  
No components are reportable under CERCLA

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