

Fire Suppression Products

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MATERIAL SAFETY DATA SHEET

Date of Preparation: January 15, 2012
Revision Number: 4
Emergency Telephone Number: (616) 871-9993

Product Name:
Fire Cap Plus

Section 1: PRODUCT IDENTIFICATION

Chemical Family: Mixture of Bio-degradable surfactants and solvents

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name of Ingredients: Proprietary Mixture

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

SECTION 3: HAZARDS IDENTIFICATION

Routes of Entry: Dermal, inhalation and ingestion

Potential Health Effects: May cause eye irritation

Carcinogenicity: Components not known to be carcinogens

SECTION 4: FIRST AID MEASURES

Ingestion: Do not induce vomiting. Call a physician.

Inhalation: Remove to fresh air.

Eyes: Rinse with fresh water for 15 minutes. If irritation continues call a physician.

Skin: Rinse with fresh water. Wash with water. Wash contaminated clothing before re-use.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: >212°F COC

Flammable Limits in air (lower % by volume): N/A

Flammable Limits in air (upper % by volume): N/A

Auto-ignition Temperature: Not evaluated

General Hazards: None known

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.

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.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: Wear side-shield safety glasses

Skin Protection: None

Respiratory Protection: Use organic vapor respirator if needed.

Continue

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212°F
Melting Point: 40°F
Specific Gravity: 1.025 g/ml
Vapor Pressure: N/A
pH 7.0 - 7.5
Flash Point (PMCC) >212°F COC
Vapor Density (air = 1) N/A
Solubility in water: 100%
Appearance: Clear
Odor: Pleasant clean odor
Taste: Astringent, unpleasant taste

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Irritation: Moderate irritant
Acute Dermal Irritation: Concentrate is not a primary irritant; Primary skin irritation index = 0.33
Acute Dermal Toxicity: Concentrate meets NFPA 18 standards; dermal LD50 of concentrate > 2000 mg/kg body weight
Acute Oral Toxicity: Concentrate meets NFPA 18 standards; oral LD50 > 5000 mg/kg body weight
Aquatic Toxicity: Nontoxic for Trout – 64mg/liter at 6% concentration.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability: All components are biodegradable

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.

SECTION 14: TRANSPORTATION INFORMATION

Department of Transportation proper shipping name: Not Regulated
Shipping Class: 55

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