

**MATERIAL SAFETY DATA SHEET** Issue Date: August 1,2009

Identity: (As used on label and list)

**RUSTECO BIOBASED FIRE FOAM RETARDANT**

**SECTION I: Material & Manufacturer Identification**

Product Name RUSTECO Fire Foam Retardant

Material Type LIQUID

Product Use

Fire Fighting Foam Retardant Class A&B Fires

Manufacturer Address

RUSTECO LLC

1465 E Del Amo Blvd

Carson, CA 90746

Emergency Phone 800-787-8326

Fax 310-294-9635

E-mail

**SECTION II: Hazardous Ingredients & Identity Information**

**Hazard Data OSHA PEL ACGIH TLV**

Based on constituent data: Oral LD50= (RAT) 2320 mg/kg/Rat

Skin PIS (RBT) = Dermal LDSO= 2320 mg/kg/Rabbit

Eye Irritation (RBT) = Severe

Ingredients: Liquid Extract from organically grown plants

Made from ingredients generally regarded as safe or permissible under CFR 21/178.1010 and CFR 21/182 respectively

<b>Ingredients</b>	<b>Concentration Range %</b>	<b>CAS #</b>
<b>ALKYLBENZENESULFONIC ACID TRIETHANOLAMINE SALT</b>	<b>0.08-0.25</b>	<b>68584-25-8</b>
<b>ALKYLPOLYGLUCOSIDES</b>	<b>0.0003-0.016</b>	<b>68515-71-1</b>
<b>COCOAMIDO BETAINS</b>	<b>0.0001-0.016</b>	<b>61789-40-0</b>
<b>ETHERS OF MONO/DIETHYLENEGLYCOL</b>	<b>0.166-0.25</b>	<b>111-76-2</b>

DOT Hazard Class: Not Regulated

Biodegradability: Biodegradable

Corrosiveness: Non-Corrosive

**SECTION III: Physical/Chemical Characteristics**

Boiling Point 220 F

Solubility in Water Soluble

Appearance Colorless

pH of 10 % solution 5-7

Density 1.03-1.04

**SECTION IV: Fire and Explosion Data**

Flash Point (Methods Used) Flammable Limits LEL UEL

N/A Aqueous Product does not burn

**Special Fire Fighting Procedures**

None

**Hazardous Combustion Products**

Carbon Dioxide, Carbon Monoxide

**SECTION V: Reactivity Data**

Stability Conditions to avoid

Excessive Heat

Stable under normal conditions

Incompatibility (Materials to avoid)

None known

Hazardous Decomposition or By-products

None known

Hazardous Polymerization Conditions to avoid:

Excessive Heat

Stable under normal conditions

### **Exposure from routine use**

This product is not hazardous under normal conditions of use

### **Effects of overexposure**

Prolonged exposure to vapor or mist may cause irritation in eyes, nose, mouth and/or throat.

### **Emergency and First Aid procedures**

**Eye Contact:** Rinse immediately with water. Remove contact lenses, then flush eyes immediately with water for at least 15 minutes, including under the eyelids. Consult a physician if necessary.

**Skin Contact:** Wash skin with soap and water. Seek medical attention if irritation persists. Launder contaminated clothing before reuse.

**Inhalation:** Remove to fresh air. Rest in half upright position. Seek medical attention if necessary.

#### **Ingestion:**

Rinse mouth. Immediately dilute by drinking large amounts of water. After dilution induce vomiting.

Seek immediate medical attention. Never give anything by mouth to an unconscious person.

### **SECTION VII: Toxicity Data**

Oral: This material may be slightly toxic if ingested Dermal: This material may be mildly irritating to the skin Inhalation: This material is not known to be toxic by inhalation Carcinogenicity: Not listed as a Carcinogen by IARC, NTP, ACGIH, OSHA Other pertinent data: This material is a moderate eye irritant, and could cause possible corneal damage

### **SECTION VIII: Special Protection Information**

#### **Personal protective equipment**

**Protective gloves:** Rubber **Eye protection:** Safety glasses

**Respiratory protection (specify type):** None required under normal conditions of use

**Other protective equipment:** Not applicable

**Ventilation:** Local exhaust **General Mechanical:** Not applicable

### **SECTION IX: Spill, leak and Disposal Procedures**

#### **Steps to be taken in case material is released or spilled:**

Confine spillage and absorb on sand, sawdust or other available solids. Spills or release of this material does not currently trigger the emergency release reporting requirements under SARA Title III or CERCLA. State or local reporting requirements may differ from Federal requirements. Consult counsel for further guidance on your duties and responsibilities under these laws.

#### **Waste Disposal Method**

Dispose of absorbed material in accordance with all Federal, State and Local regulations. Dispose of water in contained water treatment system. Resource Conservation and Recovery Act (RCRA)

Requirements: *N/A*

### **SECTION X: Regulatory Information**

FDA/USDA/CPSC: *N/A* DOT: Non-Regulated

TSCA: Mixture: All components of this solution are listed on the TSCA inventory

Proper Shipping Name: Non-Regulated Hazardous Class: None

Label Requirements: None ID No.: None Other Info: *N/A*

EPA: Superfund Amendments & Reauthorization Act (SARA) Title III; Section 313, Supplier

Notification:

This product is known to contain the following chemicals, which are listed in 40 CFR 372.65 as toxic chemicals requiring notification

Not applicable

### **SECTION XI: Special Precautions and Comments**

Avoid eye contact

Avoid contamination with Alkaline Material

Other Precautions: Not applicable

Registration or Certifications: Not applicable

**IMPORTANT NOTICE**

**Please read carefully prior to use**

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Effective Date: 09-01-2009 Issue ONE RUSTECO FFR