



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.

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PRODUCT NAME: VERSAFOAM® PLUS**Section I MANUFACTURER'S INFORMATION****MANUFACTURER'S NAME & ADDRESS:**

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Date Prepared: January 1, 2007

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Section II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**HAZARDOUS COMPONENTS:**

Specific Chemical Identity/ Common Name(s)	CAS No.	OSHA PEL	ACGIH TWA	Other Limits Recommended NIOSH TWA	% (optional)
Alkyl Ether Sulfates	Confidential	--	--	--	
Ethanol	64-17-5	1000 ppm	1000 ppm	1000 ppm	
Isopropanol	67-63-0	400 ppm	200 ppm	400 ppm	

Section III PHYSICAL/CHEMICAL CHARACTERISTICS**Flash Point:** 98°F**pH Value:** 7 - 9 (10% in H₂O)**Evaporation Rate (Butyl Acetate = 1):** Estimated slower than ethyl ether**Vapor Density (AIR = 1):** Estimated heavier than air**Vapor Pressure (mm Hg):** Not determined or unknown**Appearance and Odor:** Clear liquid, light yellow color with mild alcohol odor**Specific Gravity (H₂O = 1):** 1.04**Percent Volatile:** 50 – 55% (w/w)**Viscosity:** 42 cps @ 25° C**Solubility in Water:** 100%**Section IV FIRE AND EXPLOSION HAZARD DATA****Flammable Limits:** Not Available**LEL:** Not Available**UEL:** Not Available**Extinguishing Media:** Dry chemical, CO₂, water spray, foam,**Special Fire Fighting Procedures:** Water can be used to cool containers adjacent to fire.**Unusual Fire/Explosion Hazards:** Slight fire hazard. Pressure will develop in closed containers if temperatures exceed 140°F. Vapors may form explosive mixture with air. Product contains a flammable solvent. Vapors may be released that travel long distances, ignite and flash back.**Section V REACTIVITY DATA****Stability:** Stable**Conditions to Avoid:** None Known**Incompatibility (Materials to Avoid):** Strong oxidizing agents.**Hazardous Decomposition or By-products:** Sulfur dioxide and oxides of sulfur**Hazardous Polymerization:** Will Not Occur**Conditions to Avoid:** None Known**Section VI HEALTH HAZARD DATA****Route(s) of Entry:** Inhalation? Yes Skin? Yes Ingestion? No Eye? Yes**Eyes:** May cause irritation, drying, defatting, and cracking of the skin. **Skin:** Prolonged contact may cause irritation. Symptoms may include redness, edema,**Inhalation:** Inhalation of vapors or mists may be irritating to the respiratory system, including headaches, dizziness and anesthetic.**Ingestion:** Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.**Medical Conditions Generally Aggravated by Exposure:** None Known

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Section VI HEALTH HAZARD DATA (continued)

Emergency and First Aid Procedures:

Eyes: Flush immediately with plenty of water for at least 15 minutes. Consult physician if irritation persists.

Skin: Flush with large amounts of water, remove any contaminated clothing. Consult physician if irritation persists.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, seek medical attention

Ingestion: If ingestion of a large amount occurs, consult a physician. Do not induce vomiting.

Section VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Absorb with sweeping compound or flush with water or sand to transfer to a disposal container with non-sparking equipment. Ventilate closed spaces before entering.

Waste Disposal Method: Send to approved incineration or treatment facility, in accordance with federal, state & local regulations.

Precautions to Be Taken in Handling and Storing: Store in cool, well ventilated area. Do not handle or store near an open flame.

Other Precautions: Do not take internally or inhale vapors. Avoid eye contact.

Section VIII CONTROL MEASURES

Respiratory Protection (Specify Type): If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors is recommended.

Ventilation: Local Exhaust. Provide adequate ventilation to keep concentration below TLV.

Mechanical (General): Acceptable

Protective Gloves: Plastic or rubber

Eye Protection: Face shield or chemical safety goggles

Other Protective Clothing or Equipment: Not needed unless splashing is excessive.

Section IX OTHER REGULATORY INFORMATION

Transportation Data: U.S. DOT Hazard Classification

Proper Shipping Name: Nonbulk domestic hazard description: Not regulated.

Bulk domestic hazard description: Combustible Liquid, N.O.S., (isopropanol), 3, NA 1993, III

Inventories:

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL), Australia (AICS), Philippines (PICCS).

There is no calculable reportable quantity (RQ) for this product.

Hazard Ratings:	HMIS	NFPA
Health	1	1
Flammability	2	2
Reactivity	0	0
PPE	X	

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