



4500 QUEBEC AVE. NORTH
 NEW HOPE, MN 55428
 763-537-2090
 FAX: 763-537-1738
 800-327-2329

MATERIAL SAFETY DATA SHEET

SECTION 1 - GENERAL

Trade name: Polyurethane Foam

Other Names (Synonyms): Unifoam S82R-1 Polyurethane Foam

Telephone Number: (410) 799-1788

Emergency: (410) 799-1788

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s):

OSHA PEL	ACGIH TLB	OTHER LIMITS RECOMMENDED	% OPTIONAL
The foam material contains a proprietary flame retardant composition consisting of one or more components. In their undiluted form, these compounds may exhibit properties of oral toxicity or skin and/or eye irritation as these properties are defined and determined in accordance with 29CFR 1910.1200, Appendix A and Appendix B.			

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A Specific Gravity (H₂O = 1): N/A

Vapor Pressure (mm Hg.): N/A Melting Point: Approx 500-530° F

Vapor Density (AIR = 1): N/A Evaporation Rate (Butyl Acetate = 1): N/A

Solubility in Water: Insoluble

Appearance and Odor: Foam material is flexible, resilient solid, essentially odorless.



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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): ASTM-D-1929 Self Ignition Temp. 800-850°

Flammable Limits: N/A LEL: N/A UEL: N/A

Extinguishing Media: Water, Carbon Dioxide and Dry Powder

Special Fire fighting Procedures: Use Self-contained breathing Equipment.

Usual Fire and Explosion Hazards: Combustion of foam can produce hazardous gases.

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to avoid: Strong acids, alkalis and oxidizing agents will deteriorate foam material properties.

Incompatibility(Materials to avoid): Strong oxidizing agents, strong alkalis or acids.

Hazardous Decomposition or Byproducts: Combustion of foam material may produce carbon monoxide, oxides of nitrogen, hydrogen halide, oxides of phosphorus, traces of isocyanates and hydrogen cyanide.

Hazardous Polymerization: May not occur

SECTION 6 - HEALTH HAZARD DATA

Routes of Entry: Inhalation – NO Skin – Yes Ingestion – Yes

Health Hazards (Acute and Chronic): Foam material is essentially non-toxic and non-allergenic in normal usage. It is recommended that oral ingestion of this product be avoided. Vapors may be produced if product is exposed to high Temperatures (130°C / 265°F) or open flames, which may irritate the eyes, nasal passages or lungs. Dust generated by processing may be irritating.



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Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
Foam material is not known to be carcinogenic. This product contains a small amount of a chemical known to the State of California to cause cancer or reproductive harm.
Signs and Symptoms of Exposure: None Known. Dust may cause mechanical irritation of the eyes.

Medical Conditions Generally Aggravated by Exposure: None Known.

Emergency and First Aid Procedures: Under normal usage, exposure will not require treatment. If exposed to fumes or smoke from thermal decomposition, remove to fresh air. Administer artificial respiration if not breathing. Flush eyes with water for 15 minutes in case of contact. If skin irritation develops, wash thoroughly with soap and water. If ingested call physician. Cases requiring first aid should seek medical attention as soon as possible.

Provide a copy of the MSDS to the Physician

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Sweep up or collect spilled material. In case of a water spill, the product floats and can be retrieved. Recover smaller particles by filtration. Collect for disposal or recycling.

Waste Disposal Method: Dispose of in compliance with Federal, State and Local regulations. Both cutting scrap and post consumer scrap may be recycled under some circumstances.

Precautions to Be Taken in Handling and Storing: Foam material is combustible. Foam material should be stored and handled away from open flames or abnormally high temperatures.

SECTION 8 - CONTROL MEASURES

Respiratory Protection: Respiratory protection not normally required. If warranted, respirators and usage must conform to 29CFR1910.134 requirements.

Ventilation: Local Exhaust: Required if foam material is processed under melting or flaming conditions.

Mechanical: Yes



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Protective Gloves: Other protective clothing or equipment should be appropriate to the processes involved.

Work/Hygienic Practices: Observe good industrial hygienic practices.