

MATERIAL SAFETY DATA SHEET

88104
 UPDATED: 12/13/96
 1982

Flexible Products Company
 Premium Polymers Group
 9721 Highway 290 East
 Austin, Texas 78724

Foam
 "B" side

EMERGENCY PHONE NUMBERS
 Business Hours: (512) 272-5531
 CHEMTREC: (800) 424-9300

Product Name: 475 Series B-Component

I. PRODUCT IDENTIFICATION

Product Name: Polyurethane B-Component
 Chemical Name: Polyol Blend - Polyether/Polyester
 Molecular Formula: Proprietary

II. HAZARDOUS INGREDIENTS

Chemical and Common Names of Hazardous Ingredients	%	CAS NUMBER	OSHA PEL	ACGIH TLV
1,1 Dichlor-1-fluoroethane (HCFC 141b)	16	1717-00-6	ND	ND
Tertiary Amines	<1.0 mixture	98-94-2 108-01-0 57-55-6 280-57-9	ND ND ND ND	ND ND ND ND

88104

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	ND	Solubility in Water:	Slight
Vapor Pressure (mm Hg):	ND	Evaporation Rate:	ND
Reactivity in Water:	ND	Vapor Density (Air=1):	ND
% Volatile (Vol):	11	Specific Gravity (H ₂ O=1):	1.10-1.15

Appearance and Odor: Amber to dark brown -- mild ether-like odor.

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point: None detected by ASTM D-92. Flammable Limits: ND
 Extinguishing Media: Dry chemical, CO₂, foam, waterspray, waterfog.
 Special Fire Fighting Procedures: Self-contained breathing apparatus for vapor protection and usual body protection.
 Unusual Fire and Explosion Hazards: Heated closed containers may rupture due to pressure build-up.

HMIS Rating: Health - 2 Flammability - 1 Reactivity - 0

MATERIAL SAFETY DATA SHEET

UPDATED: 12/13/98

88104

Jafz

V. PHYSICAL HAZARDS

Stability: STABLE xxxxx UNSTABLE
 Conditions to Avoid: Avoid excessive heat in closed containers.
 Materials to Avoid: Diphenylmethane-Toluene Diisocyanates unless reaction is controlled.
 Hazardous Decomposition or By-Products: Carbon Monoxide; Carbon dioxide; Oxides of nitrogen; Fluorides; Chlorides.
 Hazardous Polymerization: Polymerizes with Isocyanates.

VI. HEALTH HAZARDS

Routes of Entry: Inhalation? YES Skin? YES Ingestion? Not Normally
 Signs of Acute Overexposure: Possible narcosis (state of stupor) and shortness of breath due to displacement of air in a confined area. Contact with skin or eyes may cause irritation. Overexposure may cause central nervous system depression or cardiac sensitization.
 Signs of Chronic Overexposure: No evidence of adverse effects from available information.
 Conditions Aggravated by Exposure: Respiratory problems.
 Carcinogenicity: N.T.P.? NO I.A.R.C. Monographs? NO OSHA Regulated? NO

Emergency and First Aid Procedures:

Inhalation: Move victim to fresh air. Aid in breathing if necessary. Call a physician.
 Eyes: Immediately flush with running water for at least fifteen (15) minutes.
 Skin: Wash with soap and water. If irritation develops, call a physician.
 Ingestion: Induce vomiting. Call a physician immediately.

VII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not necessary with adequate ventilation. Otherwise, use a NIOSH/MSHA approved supplied air respirator or self-contained breathing apparatus.
 Ventilation: Open draft. Protective Gloves: Rubber/Neoprene.
 Eye Protection: Splash Goggles.

VIII. SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

Steps to be Taken In Case Material is Released or Spilled: Clean up spilled material immediately because the liquid presents a slipping hazard. Absorb with inert, dry-sorb type absorbent, collect in a suitable container, seal and label for disposal. Wash area with water. Do not discharge to public waters without consent of local authorities or EPA.

Waste Disposal Method: Spilled material, empty containers, and unused contents must be disposed of in accordance with local, state, and federal regulations.

Precautions to be Taken In Handling and Storing:

Store in a ventilated storage area between 40°F and 70°F. Avoid cold temperatures to protect product quality. Keep container closed to protect product from moisture contamination.
 Do not store where excessive heating may occur. Excessive heat will result in high pressure in the container. Loosen closure carefully to relieve gas before removing from container.
 When combined with isocyanate to form expanded polyurethane foams, the use of fresh air supplied breathing apparatus is necessary.