Innovating Science™ MATERIAL SAFETY DATA SHEET

By Aldon Corporation
221 Rochester Street
Avon, New York 14414-9409
® (585) 226-6177

"cutting edge science for the classroom"

MSDS No.: IS7018
Effective Date: June 6, 2005

SECTION I NAME

Product	Polyurethane Foam System
Chemical Synonyms	N/A
Formula	Mixture.
Unit Size	Set of 2 - Part B
C.A.S. No.	Mixture.

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC 800-424-9300
Day 585-226-6177

NFPA: 1 (top), 1 (left), 1 (right)

Health	1
Fire	1
Reactivity	1

HMIS *

HAZARD RATING

MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Dichlorofluoroethane: CAS No. 1717-00-6	18%	TWA: 500 ppm
Proprietary components: CAS No. None assigned.	Bal.	None established.
WARNING!		

MAY BE HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN AND EYES.

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H_2O = 1)	1.1
Boiling Point (°F)	31.5°C (89°F)	Percent Volatile by Volume (%)	19% (w/w)
Vapor Pressure (mm Hg)	517 @ 21°C (70°F)	Evaporation Rate (Ethyl Ether =1)	< 1
Vapor Density (Air=1)	Estimated heavier than air.		
Solubility in Water	Insoluble		
Appearance & Odor	Brown viscous liquid.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	> 93.9°C (> 201°F)	Flammable Limits in Air % by Volume N/A	Lower	Upper
Extinguisher Media	Dry chemical, carbon dioxide, foam, or water fog.			

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NOISH/MSHA-approved self-contained breathing apparatus and full protectve clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA DD1020B

Threshold Limited Value
Inhalation LC50 Rat: 56,700 ppm/6H; Inhalation LC50 mouse: 151 gm/m^3; Oral LD50 Rat: > 5 gm/kg; Dermal LD50 Rabbit: > 2 gm/kg.

Effects of Overexposure
Contact with eyes is painful and irritating. Prolonged or repeated contact with skin causes irritation/dermatitis. Inhalation of mists may be irritating to the respiratory system. Breathing high concentrations can cause narcosis, anesthesia and suffocation. Exercise appropriate procedures to minimize potential hazards. Target organs: Respiratory system.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		**Conditions to Avoid**	Excessive temperature, heat, sparks and flame.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizing agents.

Hazardous Decomposition Products Toxic fluorides and chlorides.

Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Ventilate contaminated area. Surfaces may become slippery after spillage. Absorb with an inert dry material and place in an appropriate container for proper disposal. Wash spill area thoroughly with soap and water.

Waste Disposal Method
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator for organic vapors.

Ventilation				
Local Exhaust	Recommended.	Special	No.	
Mechanical (General)	Recommended.	Other	No.	

Protective Gloves	Rubber	Eye Protection	Chemical safety goggles.

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves, ventilation hood and fire extinguisher.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Keep container tightly closed when not in use.

Store in a cool, dry place away from fire hazards.
Wash thoroughly after handling.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with skin, eyes and clothing. Do not breathe vapors.
Use with adequate ventilation. Remove and wash contaminated clothing.

Revision No. 5	Date 06/06/05	Approved Michael Raszeja	Chemical Safety Coordinator MR