

MATERIAL SAFETY DATA SHEET

- PAGE 1 -

MSDS No. V766068
Date Issued: 07/23/92
Date Revised: 02/04/94

**UNIROYAL
CHEMICAL**

Uniroyal Chemical Company, Inc.
World Headquarters
Middlebury, Connecticut 06749

UNIROYAL Emergency Phone 203/723-3670
CHEMTREC Transportation Emergency Phone: 800/424-9300
SAFETY DATA Information: 203/573-3303

I. IDENTIFICATION

Trade Name: VIBRATHANE X-8522

CAS Number: NA

Chemical Name: Reaction product of 4, 4'-diphenylmethane diisocyanate (MDI)
and polyzol

Chemical Family: Polyurethane

II. SPECIAL REGULATORY HAZARDS

INGREDIENT	CAS No.	EXPOSURE LIMIT	OSHA(1910.1200)	EEC*
MDI	101-68-8	0.02 ppm, ceiling (OSHA, ACGIH) 0.005 ppm, TWA (ACGIH)	Sensitizer	Sensitizer

Transportation:
NA

III. PHYSICAL DATA

Appearance/Odor: Viscous liquid; slight odor

Solubility: Reacts in water, soluble
in THF, DMF or methylene chloride

Volatility @70°F: Low

Melting Point: ND

Boiling Point: ND

Other Data: Solidif.Pt. 60°F (22°C) Reaction isocyanate(NCO): 2.4 - 9.3

Spec Gravity (H₂O=1): 1.15-1.22

Vapor Pressure @20°C: ND

Vapor Density (Air=1): ND

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 400°F (204°C) CC

Flammable Limits in Air: ND

Extinguishing Media: Water spray, dry chemical

Autoignition Temp: ND

Special Fire Fighting Procedures: Protect against inhalation of cyanate vapors and other decomposition/combustion products.

Unusual Hazards: None identified.

V. REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures.

Incompatibility: Avoid contamination with water, solvents and any foreign matter.

Decomposition Products: High temperatures will release cyanates and hydrocarbons. Oxides of carbon, nitrogen and small amount of HCN under burning conditions.

NA = NOT APPLICABLE

ND = NOT DETERMINED

*EUROPEAN ECONOMIC COMMUNITY

Uniroyal makes no representation or warranty with respect to the information in this Material Safety Data Sheet. This information is however, as of this date provided, true and accurate to the best of Uniroyal's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that is provided herein.

VI. SPECIAL PROTECTION INFORMATION

ENGINEERING CONTROLS: Local exhaust ventilation strongly recommended.

PERSONAL PROTECTION EQUIPMENT:

Chemical resistant gloves and goggles should be worn. Avoid breathing vapors. In the absence of good ventilation under emergency situations for high concentrations, self-contained or air-supplied respiratory protection is recommended.

VII. STORAGE, SPILLS, AND DISPOSAL INFORMATION

STORAGE: Store away from sources of direct heat and moisture. Seal containers with a dry nitrogen blanket and keep closed when not in use. Moisture contamination will evolve CO₂ and create pressure in closed systems.

SPILLS: Absorb on inert carrier. Transfer to open containers outside or in well-ventilated area. Soak with dilute ammonia hydroxide or water-alcohol mixture. Allow time for reaction to be complete before disposal.

DISPOSAL: In a well-ventilated area, fill drums with a couple of inches of water. Leave bung off and slowly shake and roll drum to allow water contact. Leave open to air for sufficient time to cure. Cured polyurethane is not a RCRA hazardous waste. Dispose of in accordance with local, state or federal regulations regarding polymeric waste. **WARNING!** Burning this material can produce toxic fumes.

ENVIRONMENTAL: Environmental effects have not been determined.

VIII. HEALTH RELATED DATA

SPECIAL HAZARD(S): Contact with eyes and skin may cause irritation. Repeated minimal contact with skin may cause sensitization. Exposure to vapor can cause irritation to eyes, lungs and mucous membranes. Repeated inhalation of minimal amounts of vapor can cause respiratory sensitization and asthma. Individuals with respiratory problems should avoid exposure to this material.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin absorption

FIRST AID PROCEDURES:

Eye contact: Flush with water for 15 minutes. Get medical attention.
Skin contact: Wipe excess. Wash with rubbing alcohol, if available, followed by soap and water. Discard shoes if contaminated.
Inhalation: Remove to fresh air. Physician - treat for potential respiratory irritation.

TOXICOLOGY INFORMATION:

Sensitization: Respiratory and dermal sensitizer based upon human experience (MDI)
Mutagenicity: Ames Salmonella - positive (MDI)

- ADDITIONAL INFORMATION PAGE -

SARA TITLE III (40CFR 372)

SECTION 313 TOXIC CHEMICALS NOTIFICATION

TOXIC CHEMICAL	CAS #	% (BY WT.)
Diphenylmethane diisocyanate	101-68-8	15%

Carcinogenic per NTP IARC OSHA NONE