

MATERIAL SAFETY DATA SHEET

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I STRATA TECH INC
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PRODUCT: ST-526 POLY-FOAM ULTRA INJECTION RESIN
FAMILY: Isocyanate Prepolymer
REV: March 31, 2000

II HAZARDOUS INGREDIENTS

	CAS	OSHA PEL	ACGIH TLV	CONCENTRATION
Diphenylmethane 4,4'-Diisocyanate (MDI)	101-68-8	0.02 ppm	0.005 ppm	< 45.0%
Diphenylmethane Diisocyanate homopolymer	26447-40-5			< 10.0%
Higher Oligomers of MDI	9016-87-9			< 45.2%

III PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Liquid
Boiling Point: N/D
Freezing Point: <32 F (0 C) for MDI
Vapor density: 8.5 (MDI) (Air=1)
Solubility in Water: Soluble; reacts with water
Specific Gravity: 1.08 at 77 F (25 C)
Vapor Pressure: < 0.00001 mm Hg at 77 F for MDI
Appearance & Odor: Pale amber color with sweet odor.

Density: 9.02 lbs/gal
45 lbs: 18.0 liters
pH: ND
Viscosity : 375 cps at 25 C
Volatile % Nil

IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: 275 F PMCC (ASTM D-93)
Ignition Temp: Not established
Thermal Decomp: Not established
Extinguishing Media: CO2, dry chemical, chemical foam, sand
Fire Fighting: Wear self-contained positive pressure breathing apparatus and full fire fighting clothing. Product reacts with water by foaming and liberation of carbon dioxide. Spray drums or cans near fire with water to minimize rupture risk.

LEL: Not established
UEL: Not established

V REACTIVITY DATA

Stability: Stable under normal handling conditions
Conditions to avoid: High humidity and temperature
Incompatibility: Avoid water, alcohols, strong bases, and amines
Hazardous Polymerization: May occur. Contact with moisture, materials which react with isocyanates, or temperatures above 400 F (204 C) may cause polymerization
Hazardous Decomposition: CO, CO2, nitrogen oxides, sulfur oxides, HCN traces produced by heat and fire.

VI HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE AND PRIMARY ROUTES OF ENTRY

Eyes: Irritant
Skin: Moderate to severe irritation possible. May produce dermal sensitization
Ingestion: Do not ingest
Inhalation: Moderate to severe irritation possible. May cause sensitization.

VII EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush open eyes immediately with lukewarm water for 15 minutes; see Physician.
Skin: Remove contaminated clothing; wash with soap and water; apply skin cream.
Ingestion: Do not induce vomiting. Drink 2 cups milk or water if conscious. Contact a Physician.
Inhalation: Remove to fresh air. Give oxygen if breathing becomes difficult. See Physician.

VIII PRECAUTIONS FOR SAFE HANDLING AND USE

Spills: React with water in open air and landfill resulting inert solid or cover with absorbent (sawdust), shovel into open waste container; decontaminate with solution of 93% water, 5% concentrated ammonia, and 2% detergent.
Disposal: Landfill decontaminated waste in accordance with Local, State, and Federal regulations.
Handling: Sensitive to humidity; close container tightly after use. Do not reseal empty container. Avoid open flames. Avoid eye and skin contact. Wash thoroughly after handling. Do not eat or smoke while using.
Storage: Below 120 F in tightly closed container to prevent atmospheric moisture Contamination. Do not reseal contaminated container.

IX CONTROL MEASURES

General: No special control measures at ambient conditions where work area is adequately ventilated. When airborne concentrations exceed the Federal OSHA exposure standard (0.02 ppm TLV), wear MSHA/NIOSH approved respirator.
Ventilation: As required to maintain work area below TLV.
Respiratory: If ventilation is insufficient, wear breathing apparatus or vapor respirator.
Eyes: Chemical goggles or full face shield as required.
Skin: Rubber gloves and clean body-covering clothing.

X SHIPPING AND LABEL DATA

DOT Shipping Name: Plastic Resin Compound

Hazard Class: N/A

Labels / Placards: ST-526 not regulated as a DOT hazardous material

IATA	CARGO	PASSENGER	NFPA 704M RATINGS	HMS RATINGS	CATEGORY	NFPA	HMS
UN #:	N/A	N/A	0= Insignificant	0= Minimal	Health	3	3
Limit:	N/A	N/A	1= Slight	1= Slight	Flammability:	1	1
Class:	N/A	N/A	2= Moderate	2= Moderate	Reactivity:	1	1
Instr:	N/A	N/A	3= High	3= Serious	Other:	-	-
			4= Extreme	4= Severe			