

MATERIAL SAFETY DATA SHEET

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I STRATA TECH INC
3601 104th STREET
DES MOINES, IA 50322
INFO PHONE (515) 251-7770

PRODUCT: **STRATATHANE ST-520**
Water Activated Injection Resin
FAMILY: Urethane Prepolymer
REV: January 1, 2000

II HAZARDOUS INGREDIENTS

	CAS	OSHA PEL	ACGIH TLV	CONCEN- TRATION
Urethane Prepolymer	9042-77-7	0.02 ppm	0.005 ppm	> 85%
Acetone	67-64-1			< 15%
Toluene Diisocyanate (Free)	584-84-9			< 1%

III PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State:	Liquid	Density:	9.14 lbs/gal
Boiling Point:	56.3°C		
Freezing Point:	Not determined	pH:	Not determined
Vapor density:	2.00 (Air=1)	Melting Point:	0 deg. C
Solubility in Water:	Insoluble, gelling in water		
Specific Gravity:	1.1		
Vapor Pressure:	180 mm Hg (20°C)		
Appearance & Odor:	Yellow-brown liquid; slight aromatic odor.		

IV FIRE AND EXPLOSION HAZARD DATA

Flash Point:	153.0 F C.O.C., ASTM D 3143		
Ignition Temp:	Not established	LEL:	Not established
Thermal Decomp:	Not established	UEL:	Not established
Extinguishing Media:	Carbon dioxide, dry chemical powder, foaming extinguisher		
Fire Fighting:	N/A		

V REACTIVITY DATA

Stability:	Stable under normal handling conditions		
Conditions to avoid:	High temperature above 140°F (60°C), humid air, out-door exposure to rain or sunshine.		
Incompatibility:	None.		
Hazardous			
Polymerization:	Will not occur. Avoid high temperature, contact with humid air, water, amines, active hydrogen compounds.		
Hazardous			
Decomposition:	None.		

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:	Oral LD50 (rat) 5800 mg/kg
Inhalation:	Irritating to respiratory system. May cause sensitization by inhalation. LC50 (inhalation, rat, 6 hour) 0.6 mg/l.

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.
Ingestion: Do not induce vomiting. Contact a Physician.
Inhalation: Remove to fresh air. Give oxygen if breathing becomes difficult. See Physician.

VIII PRECAUTIONS FOR SAFE HANDLING AND USE

Spills: Clear area of unnecessary personnel, prevent further spill and cover spill with sand or earth.
Disposal: Landfill in accordance with applicable local, state and federal regulations.
Handling: Sensitive to humidity; close container tightly after use. Do not reseal or reuse empty container. Avoid heat, sparks, and open flame. Avoid eye and skin contact. Wash thoroughly after handling. Do not eat or smoke while using. Remove contaminated clothing immediately and launder completely or discard.

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 self-contained breathing apparatus or respirator approved for use with organic vapor.
Eyes: Chemical goggles or full face shield as required.
Skin: Butyl Rubber gloves and clean body-covering clothing.

X SHIPPING AND LABEL DATA

DOT Shipping Name: Plastic Material, Liquid, NOS Hazard Class: N/A

Labels / Placards: ST-520 not regulated as a US DOT hazardous material

IATA	CARGO	PASSENGER	NFPA 704M RATINGS	HMIS RATINGS	CATEGORY	NFPA	HMIS
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			