

# MATERIAL SAFETY DATA SHEET

[Back to Urethane Grouts](#)

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

PRODUCT: **Stratathane ST-538 Bed Rok A**  
Interior Grade  
FAMILY: Urethane Prepolymer Resin  
REV: January 31, 2000

## II HAZARDOUS INGREDIENTS

	CAS	OSHA PEL	ACGIH TLV	CONCENTRATION
Diphenylmethane 4,4'-Diisocyanate	101-68-8		0.02 ppm	

## III PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Liquid  
Boiling Point: 352 F  
Viscosity at 25 C: 12 mpa (12 cps)  
Solubility in Water: Insoluble; reacts with water  
Volatile %: nil  
Appearance & Odor: Pale amber with slight ester odor

Density: 9.09 lbs/gal  
45 lbs: 18.00 liters

## IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: 183 F (000 C) Cleveland Open Cup  
Ignition Temp: Not established  
Thermal Decomp: Not established  
Extinguishing Media: CO2, dry chemical, foam, sand  
Fire Fighting: Self-contained, positive pressure breathing apparatus and full fire fighting clothing. Reacts with water by foaming and liberation of carbon dioxide. Spray drums or cans with water when involved in a fire but not themselves on fire 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. Prolonged storage above 160 F.  
Incompatibility: Alcohol, water, strong bases, and metal compounds.  
Hazardous  
Polymerization: May occur.  
Hazardous  
Decomposition: CO, CO2, Nox, Sulfur Oxides, HCN trace (from combustion)

## VI HEALTH HAZARD DATA

Effects of overexposure & Primary Routes of Entry  
Eyes: Irritant.  
Skin: Moderate to severe irritation possible. May produce dermal sensitization.  
Ingestion: Do no ingest.  
Inhalation: Irritating to respiratory system. May cause sensitization by inhalation.

## VII EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush open eyes immediately with plenty of lukewarm water for 15 minutes; see Physician.  
Skin: Remove contaminated clothing; wash contact area with soap and water; use skin cream; see Physician.  
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: React with ST-539 in open air and landfill resulting inert solid, or cover with loose absorbents such as sand, vermiculite, or sawdust. Shovel into open water 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 sparks and open flame. Avoid eye and skin contact. Wash thoroughly after handling. Remove contaminated clothing immediately and launder completely or discard.  
Storage: Below 120°F in tightly closed contained 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 self-contained breathing apparatus or approved 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: Diphenylmethane-4,4'-diisocyanate

Hazard Class:

Labels / Placards: ST-538 is not regulated as a 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			