

# MATERIAL SAFETY DATA SHEET

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

PRODUCT: **STRATATHANE ST-540**  
FAMILY: Polyol Resin, Polyether Polyol  
REV: October 11, 1999

## II HAZARDOUS INGREDIENTS

	CAS	OSHA PEL	ACGIH TLV	CONCENTRATION
Organometallic	19120-62-8			< 0.2%
Butyl Benzyl Phthalate	85-68-7			< 25.0%
Triethyl-ortho-formate	122-51-0			< 2.0%

## III PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State:	Liquid	Density:	8.75 lbs/gal
Boiling Point:	ND	45 lbs:	5.14 gals (19.43 liters)
Freezing Point:	ND	pH:	3.5 - 4.0
Vapor density:	ND	Viscosity :	200 cps (200 mpa) at 25 C
Solubility in Water:	Insoluble	Volatile %:	1%
Specific Gravity:	1.05		
Vapor Pressure:	< 1 mmHg		
Appearance & Odor:	Clear; faintly alcohol-like odor.		

## IV FIRE AND EXPLOSION HAZARD DATA

Flash Point:	191° F (88° C)	
Ignition Temp:	Not established	LEL: Not established
Thermal Decomp:	Not established	UEL: Not established
Extinguishing Media:	CO2, dry chemical, chemical foam, water spray.	
Fire Fighting:	Wear self-contained positive pressure breathing apparatus and full fire fighting clothing. Fumes are toxic.	

## V REACTIVITY DATA

Stability:	Stable under normal handling conditions.
Conditions to avoid:	High temperature, absorbed water, strong oxidizing agents, reactive diisocyanates.
Incompatibility:	None.
Hazardous Polymerization:	Will not occur. Avoid the generation of airborne liquid, aerosol or vapor.
Hazardous Decomposition:	Carbon Monoxide, Carbon Dioxide, NO <sub>x</sub>

## VI HEALTH HAZARD DATA

*EFFECTS OF OVEREXPOSURE AND PRIMARY ROUTES OF ENTRY*

Eyes:	Irritant; may be toxic.
Skin:	Irritant; may be toxic.
Ingestion:	May be poisonous.
Inhalation:	Fumes may be toxic.

## VII EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush open eyes immediately with clean water; see Physician.  
Skin: Remove contaminated clothing; wash with soap and water; consult physician.  
Ingestion: 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: Ventilate area, cover with absorbent material (vermiculite or sawdust or sand), shovel into open top containers and wash area with water and detergent.  
Disposal: Dispose of or incinerate waste in accordance with Local, State, and Federal regulations.  
Handling: Sensitive to humidity; close container tightly after use. Do not reseal empty container.  
Storage: Store out of direct sunlight and in moderate temperature (40° F to 100° F) in sealed containers. Polyols will absorb atmospheric moisture. Organometallics may hydrolyze in the presence of water or oxygen, forming metal oxides which may be poisonous if ingested.

## 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: None required.  
Eyes: Glasses are recommended in case of accidental splashing.  
Skin: Chemically resistant gloves.

## X SHIPPING AND LABEL DATA

DOT Shipping Name: Not regulated

Hazard Class: N/A

Labels / Placards: ST-540 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			