

MATERIAL SAFETY DATA SHEET

[Back to Urethane Grouts](#)

1. STRATA TECH INC
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DES MOINES, IA 50322
INFO PHONE (515) 251-7770

PRODUCT: **STRATATHANE ST-534**
LOK-ROK INJECTION RESIN (PART A)
FAMILY: Polyol Blend
APPROVAL: March 3, 1998

2. **COMPOSITION/INGREDIENTS**
HAZARDOUS INGREDIENTS
Diethylene Glycol

CAS	OSHA PEL	ACGIH TLV	CONCENTRATION
000111-46-6			< 20.0%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Colorless viscous liquid with slight odor. Toxic fumes may be released in fire.

POTENTIAL HEALTH EFFECTS

EYE CONTACT	-	Essentially nonirritating to the eyes.
SKIN CONTACT	-	Not expected to produce appreciable irritation.
INGESTION	-	Single dose toxicity considered moderate. Small amounts swallowed in normal handling operations not likely to cause injury. May cause gastrointestinal discomfort including nausea, vomiting, lethargy, diarrhea.
CARCINOGENICITY	-	Not believed to pose a carcinogenic risk to man.

4. FIRST AID MEASURES

FOR EYES - Flush eyes with plenty of water
FOR SKIN - Wash off in flowing water
INGESTION - Induce vomiting and consult medical personnel. Give nothing by mouth to unconscious persons.

5. FIRE FIGHTING MEASURES

FLASH POINT - Greater than 150 °C but less than 260 °C
EXTINGUISH MEDIA- Carbon Dioxide, dry chemical, water spray
INSTRUCTIONS - Keep people away; isolate fire and deny entry.

6. ACCIDENTAL RELEASE MEASURES

SPILL/LEAK - Dike spill to minimize spread, pump to suitable container. If unable to pump, absorb material in saw dust, sand, or absorbent and containerize for disposal. Decontaminate clothing and spill area with detergent and large amounts of water.
DISPOSAL - Do not pump to sewer or any body of water. Comply with Federal, State and local regulations.

7. HANDLING AND STORAGE

TEMPERATURE - Do not store at temperature above 49 °C (120 °F)
SENSITIVITY - Product is hygroscopic; protect with dry air or dry nitrogen.
PRECAUTIONS - Keep from children; do not store near food, foodstuffs, drugs, or potable water supplies.

8. PERSONAL PROTECTION

EYES Use approved safety glasses or goggles.
SKIN Use protective clothing impervious to material. Remove contaminated clothing, wash skin area with soap and water, and launder clothing before reuse.
VENTING Local exhaust ventilation recommended if vapor, mist, or aerosols are generated. Otherwise use general exhaust ventilation. If at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Pg 2

FORM	Liquid	APPEARANCE:	Clear
COLOR	White	ODOR:	Slight
BOILING POINT	ND	MELT POINT	ND
SOLUBILITY	ND in water	SPECIFIC GRAVITY	1.2
VOLATILE %	Negligible	BULK DENSITY	9.99 lbs/gal
VAPOR PRESSURE	ND	METRIC VOLUME	45 lbs = 17.02 liters
VAPOR DENSITY	ND (air=1)		8 lbs = 3.03 liters
FREEZING POINT	ND	VISCOSITY	200 cps @ 25 °C

10. STABILITY AND REACTIVITY

STABILITY	Stable under recommended storage conditions
POLYMERIZATION	Hazardous polymerization will not occur.
INCOMPATIBILITIES	Avoid contact with strong oxidizers, acids, bases, and mineral acids.
DECOMPOSITION	Hazardous decomposition products depend on temperature, air supply and other products.

11. TOXICOLOGICAL INFORMATION

ORAL LD50	>13,000 mg/kg (rat)	CHRONIC TOXICITY:	None expected
DERMAL LD50	>13,300 mg/kg (rabbit)	CARCINOGENICITY:	No data available
INHALATION LC50	ND	MUTAGENICITY:	In vitro studies were negative
SKIN EFFECTS	No appreciable irritation expected.		
SENSITIZATION	No sensitization should occur.		

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Material is practically non-toxic to aquatic life on an acute basis (LC50 > 100 mg/l in most sensitive species). Acute LC50 for Water Flea and Fathead Minnow >100 mg/l. Acute LC50 for Rainbow Trout is >1,000 mg/l. Acute LC50 for Guppies is >61,000 mg/l.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL methods must comply with all Federal, State, Provincial, and Local laws and regulations.

14. TRANSPORTATION INFORMATION

DOT SHIPPING NAME:	CLASS:
HAZARD CLASS	
LABELS/PLACARDS:	ST-534 <i>Lock-Rok</i> is not regulated as a DOT Hazardous material

15. REGULATORY INFORMATION

OSHA STATUS	Product contains Diethylene Glycol which is classified as a "Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
TSCA STATUS	All components of this product are on the TSCA inventory
CERCLA R.Q.	To the best of our knowledge, product contains no chemical subject to CERCLA reporting.
SARA TITLE III	To the best of our knowledge, product contains no chemical subject to Title III, Sec 313.

16. OTHER INFORMATION

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