

MATERIAL SAFETY DATA SHEET

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I STRATA TECH INC
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PRODUCT: **STRATATHANE ST-522 GROUT CLEANER**
FAMILY: Methyl Alcohol Solution
FORMULA: Methanol/Potassium Hydroxide Mixture
REV DATE: January 5, 1999

II HAZARDOUS INGREDIENTS

	CAS	OSHA PEL	ACGIH TLV	CONCENTRATION
Methanol			200 ppm	85%
Potassium Hydroxide			2 mg/m ³	3 %

III PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State:	Liquid	Density:	7.16 LBS/GAL
Boiling Point:	149 F	35 LBS:	4.89 GAL (18.8L)
Freezing Point:	None		
Vapor density:	None	pH:	12.5 approx.
Solubility in Water:	Complete	Viscosity:	12.0 csp @ 80 F
Specific Gravity:	0.860	Volatile %:	>96%
Appearance & Odor:	Pale yellow to colorless; alcohol odor.		

IV FIRE AND EXPLOSION HAZARD DATA

Flash Point:	59 F by Pensky Martins Closed Cup		
Ignition Temp:	<76 F Open Cup (ASTM D3143)	LEL:	6.70
Thermal Decomp:	Not determined	UEL:	36.5
Extinguishing Media:	Water, CO ₂ , dry chemical, foam.		
Fire Fighting:	Wear self-contained positive pressure breathing apparatus and full fire fighting clothing. Spray drums or cans near fire with water to minimize rupture risk.		

V REACTIVITY DATA

Stability:	Stable under normal handling conditions
Conditions to avoid:	High heat
Incompatibility:	Avoid acids, high heat
Hazardous	
Polymerization:	Will not occur.
Hazardous	
Decomposition:	Not determined.

VI HEALTH HAZARD DATA *EFFECTS OF OVEREXPOSURE AND PRIMARY ROUTES OF ENTRY*

Eyes:	Severe irritant; may cause blindness
Skin:	Moderate to severe irritation possible
Ingestion:	Corrosive to intestinal surfaces
Inhalation:	Possibly severe irritation to respiratory system

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: 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: Neutralize small spills with mild acid.
Disposal: Landfill decontaminated waste in accordance with Local, State, and Federal regulations.
Handling: Close container tightly after use. Do not reseal empty container. Avoid open flames and sparks. Avoid eye and skin contact. Wash thoroughly after handling. Remove contaminated clothing immediately and launder completely or discard. Do not eat or smoke while using.
Storage: Below 80 F in closed container out of direct sun in cool dry area.

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: Use only in open air. Provide ventilation as required to maintain work area below TLV.
Respiratory: Do not use in any location where ventilation is insufficient. Avoid breathing vapor.
Eyes: Chemical goggles or full face shield as required.
Skin: Rubber gloves, rubber boots and rain suit.

X SHIPPING AND LABEL DATA

DOT Shipping Name: METHANOL
Labels Ground: Flammable Liquid
Hazard Class: 3
Labels / Placards: SHIP AIR **FED EX ONLY**, Cargo Aircraft Only UN1A1 Overpacked, Instruction 310

IATA	CARGO	PASSENGER	NFPA 704M RATINGS	HMIS RATINGS	CATEGORY	NFPA	HMIS
UN #:	1230	1230	0= Insignificant	0= Minimal	Health	2	2
Limit:	60 ltr	1 liter	1= Slight	1= Slight	Flammability:	2	2
Class:	3	3	2= Moderate	2= Moderate	Reactivity:	3	3
Instr:	307 II	305 II	3= High	3= Serious	Other:	-	-
Auth:	A104	A104	4= Extreme	4= Severe			