

MATERIAL SAFETY DATA SHEET

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I STRATA TECH INC

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INFO PHONE (515) 251-7770

PRODUCT: ST-590 KLEEN-PURGE FLUSHING AGENT

PUMP, HOSE, AND TOOL CLEANER
FAMILY: Aliphatic Esters
REVISED: April 4, 1999

II HAZARDOUS INGREDIENTS

	CAS	OSHA PEL	ACGIH TLV	CONCENTRATION
Dimethyl Glutarate	1119-40-0			< 65.0%
Dimethyl Adipate	627-93-0			< 25.0%
Dimethyl Succinate	106-65-0			< 20.0%

III PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Liquid
Boiling Point: 215 C
Freezing Point: N/D
Vapor Pressure: 0.02 mm Hg @ 68 F (20 C)
Solubility in Water: Soluble 5% wt at 20 C
Specific Gravity: 1.092 at 68 F (20 C)
Appearance & Odor: Clear Liquid with Slightly Sweet Odor.

Density: 9.095 lbs/gal
45 lbs: 18.70 liters
pH: ND
Viscosity: 65 cps at 68 F
Volatile % : Nil

IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: 235 F (112 C) PMCC (ASTM D-93)
Ignition Temp: 370 C
Thermal Decomp: Not established
Extinguishing Media: CO2, dry chemical, chemical foam, sand
Fire Fighting: Wear self-contained positive pressure breathing apparatus and full fire fighting clothing. Hot vapor may form explosive mixture with air. Carbon monoxide. Gases produced in fire. Spray drums near fire with water 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
Incompatibility: Strong oxidants, acids, alkali's
Hazardous
Polymerization: Will not occur.
Hazardous
Decomposition: Products by heat and fire: CO

VI HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE AND PRIMARY ROUTES OF ENTRY
Eyes: Slight Irritant; may cause temporarily blurred vision
Skin: Moderate irritation possible.
Ingestion: Do not ingest
Inhalation: Moderate to severe irritation possible. May cause sensitization.

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: Do not induce vomiting. Drink 2 cups water. Contact a Physician.
Inhalation: Remove to fresh air. Give oxygen if breathing is difficult. See Physician.

VIII PRECAUTIONS FOR SAFE HANDLING AND USE

Spills: Recover free liquid for reuse or recycle or dispose in biological treatment system. Cover with absorbent (vermiculite or sawdust), shovel into open waste container and transport to approved disposal site.
Disposal: In accordance with Local, State, and Federal regulations.
Handling: Sensitive to humidity; close container tightly after use. Do not reseal empty container. Avoid open flames. Avoid eye and skin contact. Wash thoroughly after handling. Do not eat or smoke while using.
Storage: Below 120 F in tightly closed container 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 wear MSHA/NIOSH approved respirator.
Ventilation: As required to maintain work area below TLV.
Respiratory: If ventilation is insufficient, wear breathing apparatus.
Eyes: Chemical goggles or full face shield as required.
Skin: Neoprene Rubber gloves and clean body-covering clothing.

X SHIPPING AND LABEL DATA

DOT Shipping Name:

Hazard Class:

Labels / Placards: ST-590 not regulated as a DOT hazardous material

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