

MATERIAL SAFETY DATA SHEET

38771 ITEK MEGA PLATE DELETION FLUID

Revision Date: 1/1/06

Section I - Product Identification

Manufacturer's Name FR CHEMICALS	Emergency Phone Number: (24 HOURS) CHEMTREC @ (800) 424-9300
Street Address 524 SO. COLUMBUS AVE.	MSDS Request Phone Number: 1-603-595-7000
City, State, Zip Code MT. VERNON, NY 10550	For MSDS via Fax: 1-800-995-0088 Date Prepared: February 14, 1995
Product Use: DELETION FLUID.	Prepared By: Kenneth W. Pinter
Chemical Name, Trade Name, Synonyms: NONE.	

HMIS RATING

1 - Health 0 - Flammability 0 - Reactivity A - Personal Protection

Section II - Ingredients

Components	CAS NO.	% WT.	Exposure Limits				OTHER
			OSHA	PEL	ACGIH	TLV	
WATER	7732-18-5	60-100			N.D.		N.D.
SILICA	63231-67-4	3-7			80mg/M3		10 PPM.
THIOGLYCOLIC ACID	68-11-1	3-7			1 PPM.		1 PPM.

Section III - Physical Data

Boiling Point(F): N.D.	pH: 2.4
Vapor Pressure(mm Hg): N.D.	Freezing Point(F): < 32
Vapor Density (AIR = 1): N.D.	VOC: 0.56 LBS/GAL
Specific Gravity (H ₂ O=1): 1.108	Color And Odor: PINK, MILKY/PUNGENT SKUNK
Odor Threshold: N.D.	Physical State: LIQUID
Evaporation Rate (Butyl Acetate = 1): N.D.	
Solubility in Water: COMPLETE.	

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NONE.	Flammable Limits: LEL: N.A. UEL: N.A.
Auto-ignition Temperature: N.D.	
Extinguishing Media: ANY APPLICABLE TO THE PRIMARY CAUSE OF FIRE.	
Special Fire Fighting Procedures: EVACUATE PERSONNEL TO A SAFE AREA. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.	
Unusual Fire And Explosion Hazards: EXCESSIVE HEAT MAY RELEASE THIOGLYCOLIC ACID VAPORS.	

Section V - Reactivity Data

Stability	Unstable :	Conditions to Avoid: NONE.
Stable : X		

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Incompatibility (Materials to Avoid): OXIDIZERS.

Hazardous Decomposition Products: CAN RELEASE HYDROGEN SULFIDE AND SULFUR OXIDES.

Hazardous	May Occur:	Conditions to Avoid: NONE.
Polymerization	Will Not Occur: X	

Section VI - Health Hazard Data (Acute and Chronic)

Primary Route(s) of Entry: INHALATION, SKIN, INGESTION.

Oral Ingestion: SEVERE BURNS TO MOUTH, THROAT, STOMACH, AND GASTROINTESTINAL TRACT.

Eye Contact: SEVERE BURNS POSSIBLE.

Skin Contact: SEVERE BURNS POSSIBLE. ABSORPTION OF THIOLYCOLIC ACID THROUGH THE SKIN IS TOXIC.

Inhalation: WEAKNESS, GASPING RESPIRATION, CONVULSIONS, AND OLFACTORY PARALYSIS POSSIBLE.

Effects of Overexposure: MAY CAUSE EYE AND SKIN BURNS.

Medical Conditions Generally Aggravated by Exposure	NO MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.
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Carcinogenicity: NONE OF THE CHEMICALS USED IN THIS PRODUCT ARE LISTED ON NTP, IARC, OR OSHA LISTINGS OF CARCINOGENS.

Mutagenicity: NOT KNOWN TO BE MUTAGENIC.

Teratogenicity: NOT KNOWN TO BE TERATOGENIC.

Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.

FIRST AID PROCEDURES

Ingestion: IF CONSCIOUS, GIVE 2 GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

Eye: FLUSH CONTINUOUSLY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES FORCIBLY HOLD EYELIDS APART TO INSURE IRRIGATION OF ALL EYE AND LID TISSUES. SEEK MEDICAL ATTENTION.

Skin: REMOVE CONTAMINATED CLOTHING AND SHOES. THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. LAUNDER CLOTHING BEFORE RE-USE, DESTROY THE CONTAMINATED SHOES.

Inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. KEEP INDIVIDUAL WARM AND QUIET. SEEK MEDICAL ATTENTION.

Section VII - Toxicology Information

Ingredient	Inhalation	Oral	Dermal
WATER	LC50 N.D.	LD50 (RATS) N.D.	LD50 (RABBITS) N.D.
SILICA	N.D.	N.D.	N.D.
THIOLYCOLIC ACID	N.D.	250mg/KG.	N.D.

Section VIII - Spill or Leak Procedure

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Steps to be taken in case material is released or spilled: COVER SPILL WITH ABSORBENT MATERIAL. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.

Disposal Method: IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Section IX - Special Protection Information

Ventilation

Local Exhaust: TEN ROOM VOLUMES Special: N.A.
Mechanical (General): PER HOUR. Other: N.A.

Respiratory Protection: NONE REQUIRED.

Protective Clothing: LATEX OR NEOPRENE GLOVES.

Eye Protection: SPLASH GOGGLES.

Other Protective Equipment: LAB COAT.

Section X - Special Precautions

Precautions to be taken in Handling and Storing: STORE IN A WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CAPPED WHEN NOT IN USE. DO NOT STORE FOOD, DRINK, OR TOBACCO IN AREAS WHERE CONTAMINATION COULD OCCUR WITH THIS PRODUCT.

Other Precautions: AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

Section XI - Transportation Information

Hazard Class: 8 Label: None
DOT Proper Shipping Name: Thioglycolic Acid Solution, 8, UN1940, II,
Ltd. Qty.

Section XII - Regulatory Information

CERCLA/SUPERFUND, 40 CFR 117, 302: THIS PRODUCT DOES NOT CONTAIN ANY REPORTABLE QUANTITY (RQ) SUBSTANCE.

SARA(TITLE III) - Sections 302, 311, 312, and 313:

Section 302 Extremely Hazardous Substances (40 CFR 355): THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENTS LISTED AS AN EXTREMELY HAZARDOUS SUBSTANCE.

Section 311 and 312 MSDS Submission and Inventory Reporting (40 CFR 370): THIS PRODUCT CONTAINS MATERIAL THAT MAY REQUIRE REPORTING UNDER 311 AND 312 IF STORED IN LARGE ENOUGH QUANTITIES.

Section 313 Toxic Chemical Release Reporting (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENTS ON THE LIST OF TOXIC CHEMICALS.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

This product complies with rules and regulations of TSCA.

California Proposition 65: THIS PRODUCT DOES NOT CONTAIN ANY MATERIALS, THAT ARE CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65.

Section XIII - Addition Information

NONE

N.D. = No Data N.A. = Not Applicable

The information herein given in good faith but no warranty, express or implied, is made.