

**MATERIAL SAFETY DATA SHEET**

38421 ITEK PREMIUM PLATE ETCH

Revision Date:5/1/12

**Section I - Product Identification**

Manufacturer's Name Presstek	Emergency Phone Number: CHEMTREC @ (800)424-9300
Street Address 55 Executive Drive	MSDS Request Phone Number: 1-603-595-7000
City, State, Zip Code Hudson, NH 03051	For MSDS via Fax: 1-800-995-0088
Product Use: PLATE ETCH.	Date Prepared: February 14, 1995
	Prepared By: Kenneth W. Pinter

Chemical Name, Trade Name, Synonyms: None

HMIS RATING  
 2 - Health      0 - Flammability      0 - Reactivity      B - Personal Protection

**Section II - Hazardous Ingredients**

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
MONOAMMONIUM PHOSPHATE	7722-76-1	5-10	NOT ESTAB.	NOT ESTAB.	
SORBITOL	50-70-4	12-18	NOT ESTAB.	NOT ESTAB.	
POTASSIUM FERROCYANIDE	13943-58-3	1-3	NOT ESTAB.	NOT ESTAB.	
SODIUM SULFITE	7757-83-7	0.2-2	NOT ESTAB.	NOT ESTAB.	
EDTA	60-00-4	0.1-2	NOT ESTAB.	NOT ESTAB.	
PHOSPHORIC ACID	7664-38-2	0.1-1	1 MG/M3.	1 MG/M3.	
WATER	7732-18-5	70-75	NOT ESTAB.	NOT ESTAB.	

**Section III - Physical Data**

Boiling POINT(F): 215 (F)      | pH: 3-5

Vapor Pressure(mm Hg): 15      | Freezing Point(F): 30

Vapor Density (AIR = 1): N.A.      | % Volatile By Volume: N.D.

Specific Gravity (H2O=1): 1.09      | Color And Odor: GREEN/FAINT ALMOND

Odor Threshold: N.D.      | Physical State: LIQUID

Evaporation Rate (Butyl Acetate = 1): 1 (WATER=1)

Solubility in Water: COMPLETE

**Section IV - Fire and Explosion Hazard Data**

FLASH POINT (METHOD USED): NOT FLAMMABLE      | Flammable Limits:  
 LEL: N.A.      | UEL: N.A.

Auto-ignition Temperature: N.D.

Extinguishing Media: WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

Special Fire Fighting Procedures: WATER SPRAY SHOULD BE USED TO COOL FIRE EXPOSED CONTAINERS AND/OR DISPERSE VAPORS. USE NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS WHEN ANY MATERIAL IS INVOLVED IN FIRE

Unusual Fire And Explosion Hazards: NONE.

**Section V - Reactivity Data**

Stability	Unstable : Stable : X	Conditions to Avoid: EXPOSURE TO STRONG LIGHT AND HEAT. PROLONGED STORAGE ABOVE ROOM TEMPERATURE.
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Incompatibility (Materials to Avoid): ACIDS.  
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Hazardous Decomposition Products: HYDROCYANIC ACID, CYANIDES, AMMONIA.  
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Hazardous Polymerization | May Occur: | Conditions to Avoid: NONE.  
Polymerization | Will Not Occur: X |  
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**Section VI - Health Hazard Data (Acute and Chronic)**

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

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Oral Ingestion: MAY CAUSE GASTROINTESTINAL DISCOMFORT WITH ANY OR ALL OF THE FOLLOWING SYMPTOMS: NAUSEA, VOMITING, LETHARGY OR DIARRHEA.  
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Eye Contact: MAY CAUSE IRRITATION CONSISTING OF REVERSIBLE REDNESS, SWELLING, AND MUCOUS DISCHARGE TO THE CONJUNCTIVA.  
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Skin Contact: MAY CAUSE IRRITATION CONSISTING OF TRANSIENT REDNESS.  
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Inhalation: MILD IRRITATION MAY RESULT TO THE THROAT, UPPER RESPIRATORY TRACT AND LUNGS.  
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Effects of Overexposure: SKIN, EYE IRRITATION. MUCOUS MEMBRANE AND RESPIRATORY IRRITATION.  
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Medical Conditions Generally Aggravated by Exposure | NONE KNOWN.  
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Carcinogenicity: NOT KNOWN TO BE CARCINOGENIC.  
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Mutagenicity: NOT KNOWN TO BE MUTAGENIC.  
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Teratogenicity: NOT KNOWN TO BE TERATOGENIC.  
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Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.  
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**FIRST AID PROCEDURES**

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Ingestion: IMMEDIATELY DRINK WATER TO DILUTE. CONSULT A PHYSICIAN.  
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Eye: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN.  
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Skin: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION DEVELOPS, CALL A PHYSICIAN.  
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Inhalation: REMOVE TO FRESH AIR. CALL A PHYSICIAN.  
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**Section VII - Toxicology Information**

Ingredient	Inhalation LC50	Oral LD50 (RATS)	Dermal LD50 (RABBITS)
38421 AS A WHOLE	N.D.	> 5 G/KG	> 2 G/KG

**Section VIII - Spill or Leak Procedure**

Steps to be taken in case material is released or spilled:  
WEAR NIOSH/MSHA APPORVED POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR. FOLLOW OSHA REGULATIONS FOR RESPIRATOR USE. ISOLATE AREA OF SPILL BY DIKING. STOP

