

**MATERIAL SAFETY DATA SHEET**

38766 ITEK MEGA PLATE ETCH

Revision Date:1/1/06

**Section I - Product Identification**

Manufacturer's Name | Emergency Phone Number: (24 HOURS)  
 Presstek | CHEMTREC @ (800)424-9300  
 ----- | MSDS Request Phone Number:  
 Street Address | 1-603-595-7000  
 55 Executive Drive | -----  
 ----- | For MSDS via Fax: 1-800-995-0088  
 City, State, Zip Code | -----  
 Hudson, NH 03051 | Date Prepared: February 14, 1995  
 ----- |  
 Product Use: OFFSET PRINTING. | Prepared BY: Kenneth W. Pinter  
 ----- |  
 Chemical Name, Trade Name, Synonyms: NONE.

**HMIS RATING**

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

**Section II - Ingredients**

Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
WATER	7732-18-5	50-60	N.A.	N.A.	
N-PROPYL ALCOHOL	71-23-8	5-10	500 PPM.	500 PPM.	
ETHYLENE GLYCOL	107-21-1	30-40	50 PPM(C).	50 PPM(C).	
					(C): CEILING

**Section III - Physical Data**

Boiling POINT(F): N.D. | pH: 5.3  
 ----- |  
 Vapor Pressure(mm Hg): N.D. | Freezing Point(F): N.D.  
 ----- |  
 Vapor Density (AIR = 1): N.D. | VOC LB/GAL: 3.9  
 ----- |  
 Specific Gravity (H2O=1): 1.03 | Color And Odor: SLIGHTLY CLOUDY/ALCOHOL  
 ----- |  
 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): 104°C (T.C.C.) | Flammable Limits:  
 ----- | LEL: N.D. | UEL: N.D.  
 Auto-ignition Temperature: N.D.  
 ----- |  
 Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE.  
 ----- |  
 Special Fire Fighting Procedures: SPRAY WITH WATER TO COOL BOTTLES.

-----  
 Unusual Fire And Explosion Hazards: ALL SOURCES OF IGNITION.  
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**Section V - Reactivity Data**

Stability      Unstable : | Conditions to Avoid: HEAT, SOURCES OF IGNITION.  
Stable : X

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Incompatibility (Materials to Avoid): NONE.

Hazardous Decomposition Products: NONE.

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, INGESTION.

Oral Ingestion: ABDOMINAL DISCOMFORT OR PAIN, DIZZINESS, NAUSEA, VOMITING, LUMBAR PAIN, DECREASED REACTION, EUPHORIA, CENTRAL NERVOUS SYSTEM DEPRESSION. OLIGURIA AND COMA POSSIBLE. ETHYLENE GLYCOL MAY BE FATAL.

Eye Contact: EYE DISCOMFORT WITH POSSIBLE TRANSIENT CONJUNCTIVITIS. SERIOUS CORNEAL INJURY NOT ANTICIPATED. MINOR IRRITATION ALSO POSSIBLE.

Skin Contact: NO ADVERSE EFFECTS FROM AVAILABLE INFORMATION EITHER THROUGH CONTACT OR ABSORPTION.

Inhalation: ETHYLENE GLYCOL MISTS MAY IRRITATE THE NOSE AND THROAT. HIGH VAPOR CONCENTRATIONS CAUSED BY HEATING IN A POORLY VENTILATED AREA MAY PRODUCE NAUSEA, VOMITING, HEADACHE AND DIZZINESS.

Effects of Overexposure: MAY CAUSE NOSE AND THROAT IRRITATION. MAY CAUSE HEADACHE NAUSEA, DIZZINESS, AND VOMITING.

Medical Conditions Generally | NO MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY Aggravated by Exposure | EXPOSURE TO THIS PRODUCT.

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 THE EYES THOROUGHLY WITH WATER. OBTAIN MEDICAL ATTENTION.

Skin: REMOVE CONTAMINATED CLOTHING AND FLUSH THE EXPOSED AREA THOROUGHLY WITH WATER.

Inhalation: REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS CONTACT A PHYSICIAN.

**Section VII - Toxicology Information**

Ingredient	Inhalation	Oral	Dermal
	LC50	LD50 (RATS)	LD50 (RABBITS)
WATER	N.D.	N.D.	N.D.
N-PROPYL ALCOHOL	8000 PPM.	5.4g/KG	6.73g/KG.
ETHYLENE GLYCOL	N.D.	4.0g/KG.	19.5g/KG.

**Section VIII - Spill or Leak Procedure**

Steps to be taken in case material is released or spilled:  
DIKE THE SPILL AND SOAK UP WITH ABSORBANT MATERIAL. PREVENT LIQUID FROM ENTERING SEWERS.

