Revision Date:1/1/06

38766 ITEK MEGA PLATE ETCH

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Section I - Product Identification  Manufacturer's Name Presstek		1-603-595-7000 					
					Chemical Name, Trade Name,		
					onomical name, frade name,	0,11011,1110.	
					HMIS RATING 1 - Health 1 - Flamma	 bility 0	- Reactivity - Personal Protection
Section II - Ingredients							
Components	CAS NO.	Exposure Limits  % WT.   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).					
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	 	(C): CEILING					
Section III - Physical Data Boiling POINT(F): N.D.	 ta	pH: 5.3					
Vapor Pressure(mm Hg): 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 Expression 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 CHEMIC						
Special Fire Fighting Proc	edures: SPRA	AY WITH WATER TO COOL BOTTLES.					
Unusual Fire And Explosion	Hazards: AI	LL SOURCES OF IGNITION.					
Section V - Reactivity Danger Stability Unstable: Stable:	Conditio	ons to Avoid: HEAT, SOURCES OF IGNITION.					

MATERIAL SAFETY DATA SHEET 38766 ITEK MEGA PLATE ETCH Revision Date:1/1/06 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.

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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 | EXPOSURE TO THIS PRODUCT. Aggravated by Exposure

\_\_\_\_\_\_ 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 LC50	Oral LD50(RATS)	Dermal 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.

#### MATERIAL SAFETY DATA SHEET

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

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## Section IX - Special Protection Information

Ventilation Local Exhaust: RECOMMENDED. Special: N.A. Mechanical(General): RECOMMENDED. Other: N.A.

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Respiratory Protection: NONE REQUIRED.

Protective Clothing: GLOVES.

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Eye Protection: SPLASH GOGGLES.

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Other Protective Equipment: LAB COAT.

## **Section X - Special Precautions**

Precautions to be taken in Handling and Storing: STORE THIS PRODUCT AT DESIGNATED LOCATIONS, LAB COAT.

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Other Precautions: CONTACT LENS WEARERS SHOULD WEAR REGULAR GLASSES.

## Section XI - Transportation Information

Hazard Class: N.A.

DOT Proper Shipping Name: NOT REGULATED.

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## **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 CONTAINS ETHYLENE GLYCOL WHICH MAY REQUIRE REPORTING UNDER SECTION 313.

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.

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## **Section XIII - Addition Information**

NONE

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N.D. = No Data N.A. = Not Applicable
The information berein given in good faith h

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