

**MATERIAL SAFETY DATA SHEET**

38766 ITEK MEGA PLATE ETCH

Revision Date:5/1/99

**Section I - Product Identification**

Manufacturer's Name: A.B. DICK COMPANY, ITEK GRAPHIX DIV. | Emergency Phone Number: (24 HOURS)  
 | CHEMTREC @ (800)424-9300  
 Street Address: 811 JEFFERSON ROAD | MSDS Request Phone Number:  
 | 1-800-752-5139, Ext. 2745  
 City, State, Zip Code: ROCHESTER, NEW YORK 14623 | For MSDS via Fax: 1-800-995-0088  
 Date Prepared: February 14, 1995  
 Product Use: OFFSET PRINTING. | Prepared BY: Kenneth W. Pinter

Chemical Name, Trade Name, Synonyms: NONE.

**HMS 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 | % VOC LB/GAL: 3.9  
 Vapor Pressure(mm Hg): N.D. | Freezing Point(F): N.D.  
 Vapor Density (AIR = 1): N.D. | % Volatile By Volume: > 75  
 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 (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.

**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 Polymerization | 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 Aggravated by Exposure | NO MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY 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 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.

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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.

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