

11

MATERIAL SAFETY DATA SHEET  
MSDS for 4-1014 / 4-1015 BLUE ETCH.

1 -Section I - Product Identification

Manufacturer's Name A.B.DICK COMPANY	Emergency Phone Number (24 Hours) (312) 763-1900
Street Address 5700 WEST TOUHY AVENUE	MSDS Request Phone Number: 1-800-752-5139, Ext. 2531
City,State,Zip Code NILES, ILLINOIS 60714-4690	Date Prepared: March 30, 1994
	Prepared By: Kenneth W. Pinter

Product Use: OFFSET PRINTING PROCESS.

Chemical Name, Trade Name, Synonyms: NONE.

HMIS RATING

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

2 -Section II - Hazardous Ingredients

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
PHOSPHORIC ACID	7664-38-2	< 1.2	1 mg/M3.	1 mg/M3.	
PROPYL ALCOHOL	71-23-8	< 5	200 PPM.	200 PPM(SKIN).	
GLYCERIN	56-81-5	20-25	10 mg/KG.	10 mg/M3(MIST).	

3 -Section III - Physical Data

Boiling POINT(F): > 212	pH: 5.7
Vapor Pressure(mm Hg): UNKNOWN	Freezing Point(F): 20
Vapor Density (AIR = 1): UNKNOWN	VOC: 2.4 LBS/GAL
Specific Gravity (H2O=1): 1.06	Color And Odor: BLUE / FAINT ALCOHOL

MATERIAL SAFETY DATA SHEET  
MSDS for 4-1014 / 4-1015 BLUE ETCH.

3 -Section III - Physical Data (continued)

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

Evaporation Rate (Butyl Acetate = 1): N.D.

Solubility in Water: COMPLETE.

4 -Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NONE. | Flammable Limits:  
| LEL: N.A. | UEL: N.A.

Auto-ignition Temperature: N.A.

Extinguishing Media: N.A.

Special Fire Fighting Procedures: N.A.

Unusual Fire And Explosion Hazards: N.A.

5 -Section V - Reactivity Data

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

Incompatibility (Materials to Avoid): N.A.

Hazardous Decomposition Products: CARBON MONOXIDE AND/OR CARBON DIOXIDE.

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

MATERIAL SAFETY DATA SHEET  
MSDS for 4-1014 / 4-1015 BLUE ETCH.

6 -Section VI - Health Hazard Data (Acute and Chronic)

Primary Route(s) of Entry: INHALATION, SKIN

Oral Ingestion: SLIGHT TOXICITY. MAY CAUSE DIZZINESS AND HEADACHES.

Eye Contact: MAY CAUSE EYE IRRITATION.

Skin Contact: NO KNOWN PROBLEMS.

Inhalation: MAY CAUSE HEADACHES AND DIZZINESS

Effects of Overexposure: MAY CAUSE EYE IRRITATION, HEADACHES AND DIZZINESS.

Medical Conditions Generally Aggravated by Exposure | N.D.

Carcinogenicity: NOT KNOWN TO BE CARCINOGENIC.

Mutagenicity: NOT KNOWN TO BE MUTAGENIC.

Teratogenicity: NOT KNOWN TO BE TERATOGENIC.

Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.

FIRST AID PROCEDURES

Ingestion: INDUCE VOMITING. CONSULT A PHYSICIAN.

Eye: FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN IF IRRITATION PERSISTS.

Skin: WASH WITH SOAP AND WATER.

Inhalation: REMOVE TO FRESH AIR.



MATERIAL SAFETY DATA SHEET  
MSDS for 4-1014 / 4-1015 BLUE ETCH.

11 -Section XI - Transportation Information

Hazard Class: N.A.  
DOT Proper Shipping Name: NOT REGULATED.

12 -Section XII - Regulatory Information

CERCLA/SUPERFUND, 40 CFR 117,302: THIS PRODUCT CONTAINS PHOSPHORIC ACID A REPORTABLE QUANTITY (RQ) SUBSTANCE AND IF 416,000 POUNDS OF PRODUCT ARE RELEASED THE NATIONAL RESPONSE CENTER, WASHINGTON D.C. MUST BE NOTIFIED. (1-800-424-8802).

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 PHOSPHORIC ACID, PROPYL ALCOHOL AND GLYCERIN THAT REQUIRE REPORTING UNDER 311 & 312 IF STORED IN LARGE ENOUGH QUANTITIES.

Section 313 Toxic Chemical Release Reporting (40 CFR 372): THIS PRODUCT CONTAINS PHOSPHORIC ACID 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 MATERIAL, THAT CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65.

13 -Section XIII - Addition Information

NEW JERSEY/PENNSYLVANIA RIGHT-TO-KNOW INFORMATION: WATER(7732-18-5), PHOSPHORIC ACID(7664-38-2), PROPYL ALCOHOL(71-23-8), GLYCERINE(56-81-5), SODIUM PHOSPHATE(7558-79-4).

N.D. = No Data            N.A. = Not Applicable  
The information herein given in good faith but no warranty, express or implied, is made.