

MATERIAL SAFETY DATA SHEET

4-4970 INK ROLLER DESENSITIZER

Revision Date:1/1/06

Section I - Product Identification

Manufacturer's Name	Presstek	Emergency Phone Number (24 Hours)	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:	OFFSET PRINTING.	Date Prepared:	February 2, 1995
		Prepared By:	Kenneth W. Pinter
Chemical Name, Trade Name, Synonyms: N.A.			

HMIS RATING

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

Section II - Hazardous Ingredients

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
CUPRIC CHLORIDE	7447-39-4	2-4	NOT ESTABLISHED.	NOT ESTABLISHED.	
HYDROCHLORIC ACID	7647-01-0	< 4	5PPM(C)	5 PPM(C)	
ETHYLENE GLYCOL	107-21-1	15-20	50PPM(C)	50 PPM(C)	
HEXYLENE GLYCOL	107-41-5	50-55	25PPM(C)	25 PPM(C)	
PETROLEUM SOLVENT	64742-94-5	4-6	NOT ESTABLISHED.	NOT ESTABLISHED.	
			(C): CEILING.		

Section III - Physical Data

Boiling POINT(F): > 300	pH: < 1.0
Vapor Pressure(mm Hg): < .2	Freezing Point(F): N.A.
Vapor Density (AIR = 1): > 1	VOC: 1.61 LBS/GAL % VOLATILE: 97.5
Specific Gravity (H2O=1): 0.963	Color And Odor: GREEN / MILD
Odor Threshold: N.D.	Physical State: LIQUID
Evaporation Rate (Butyl Acetate = 1): N.D.	
Solubility in Water: SOLUBLE.	

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): 120(F) T.C.C.	Flammable Limits:
	LEL: 0.5 UEL: 6.0
Auto-ignition Temperature: N.D.	
Extinguishing Media: WATER FOG / FOAM / CO2 / DRY CHEMICAL.	
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS.	

Unusual Fire And Explosion Hazards: NONE.

Section V - Reactivity Data

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

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Incompatibility (Materials to Avoid): CORROSIVE TO MOST METALS

Hazardous Decomposition Products: CO / CO2 / SMOKE.

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: DERMAL, INGESTION.

Oral Ingestion: MAY CAUSE LIVER AND KIDNEY DAMAGE.

Eye Contact: SEVERE EYE IRRITANT. AVOID CONTACT.

Skin Contact: IRRITANT. AVOID PROLONGED OR REPEATED CONTACT.

Inhalation: POSSIBLE LIGHTEADNESS, HEADACHE, AND NAUSEA.

Effects of Overexposure: NAUSEA, DIZZINESS, TREMORS AND CONVULSIONS.

Medical Conditions Generally	N.D.
Aggravated by Exposure	

Carcinogenicity: CONTAINS NO KNOWN CARCINOGENIC MATERIAL IN EXCESS OF .1%.

Mutagenicity: NOT KNOWN TO BE MUTAGENIC.

Teratogenicity: NOT KNOWN TO BE TERATOGENIC.

Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.

FIRST AID PROCEDURES

Ingestion: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

Eye: WASH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

Skin: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

Inhalation: REMOVE TO FRESH AIR AND CALL A PHYSICIAN.

Section VII - Toxicology Information

Ingredient	Inhalation	Oral	Dermal
	LC50	LD50 (RATS)	LD50 (RABBITS)
CUPRIC CHLORIDE	N.D.	N.D.	N.D.
HYDROCHLORIC ACID	N.D.	900 mg/KG.	N.D.
ETHYLENE GLYCOL	N.D.	4.0 g/KG.	19.5 g/KG
HEXYLENE GLYCOL	NO DEATH (8HRS)	4.0 g/KG.	13.3 mg/KG.
PETROLEUM SOLVENT	N.D.	N.D.	N.D.

Section VIII - Spill or Leak Procedure

Steps to be taken in case material is released or spilled:
WIPE UP WITH ABSORBENT MATERIAL.

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

Section IX - Special Protection Information

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

Respiratory Protection: NORMALLY NOT REQUIRED.

Protective Clothing: RUBBER GLOVES RECOMMENDED.

Eye Protection: CHEMICAL WORKERS GOGGLES.

Other Protective Equipment: NONE.

Section X - Special Precautions

Precautions to be taken in Handling and Storing: KEEP WORK AREAS FREE OF
SOURCES OF IGNITION.

Other Precautions: NONE.

Section XI - Transportation Information

Hazard Class: 3 Labels: Flammable Liquid; Corrosive
DOT Proper Shipping Name: Flammable Liquids, Corrosive, N.O.S.(Petroleum
Solvent, Hydrochloric Acid), 3, UN2924, III

Section XII - Regulatory Information

CERCLA/SUPERFUND,40 CFR 117,302: THIS PRODUCT CONTAINS CUPRIC CHLORIDE AND
HYDROCHLORIC ACID BOTH REPORTABLE QUANTITY (RQ) SUBSTANCES AND IF 1000 POUNDS
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 ETHYLENE GLYCOL, HEXYLENE GLYCOL AND HYDROCHLORIC ACID
THAT REQUIRE REPORTING UNDER 311 & 312 IF STORED IN LARGE ENOUGH QUANTITIES.
Section 313 Toxic Chemical Release Reporting (40 CFR 372): THIS PRODUCT
CONTAINS ETHYLENE GLYCOL AND HYDROCHLORIC 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 CONTAINS A CHEMICAL (BENZENE <1PPM)
THAT IS CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65 AS A
CARCINOGEN.

Section XIII - Addition Information

NONE

N.D. = No Data N.A. = Not Applicable

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