



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: No. 230 Ink Conditioner
Chemical names, common names: Complex hydrocarbon based solution
Manufacturer's Name: HURST CHEMICAL COMPANY.
Address: 2500 San Fernando Road, Los Angeles, CA 90065
DOT CLASSIFICATION: Not regulated for ground and domestic transportation.49CFR 173.150
For Product Information, call : (323) 223-4121
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Number	Exposure Limits in Air	
		ACGIH (TWA)	OSHA (PEL)
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm
Trimethylbenzenes	25551-13-7	25 ppm	25 ppm
Aromatic naphtha	64742-95-6	NOT ESTABLISHED	
White Oil	8042-47-5	NOT ESTABLISHED	

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

Listed Ingredients	CAS Number	Weight % Range
1,2,4-Trimethylbenzene	95-63-6	12-15
Xylene	1330-20-7	1.0-3.0

III. PHYSICAL PROPERTIES

Vapor density (air = 1): > 1
Solubility in water: Nill
Evaporation rate (Bu Ac = 1): n/a
Appearance and odor: Pale yellow gel, with slight pleasant solvent odor.
Volatile Organic Content (VOC, EPA Method 24): 496 gm/l or 4.14 lb/gal
Photochemical Reactivity Rule-102: % By Volume Photochemically Reactive Ingredients= 50%

IV. FIRE AND EXPLOSION

HAZARD RANKING			
HMIS	Health Hazard=1	0=Least	4=Extreme
HAZARD	Flammability=2	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = Nitrile Gloves & Safety Glasses 3 = High		

Flash Point °F: 130 PMCC	Flammable Class II	Autoignition temperature, °F: n/a	
Flammable limits in air, volume%:	lower: 0.7	upper 10.0	
Fire extinguishing materials:	N/A water spray	Yes carbon dioxide	Yes foam
	Yes dry chemical	N/A other	

Special firefighting procedures: The use of SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purpose.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat or flame. This material will burn but will not ignite readily.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: Irritation of nose and throat.

Contact with skin or eyes: Irritation of eyes and skin.

Absorbed through skin: Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

Swallowed: Nausea, irritation of the digestive tract and nervous system depression.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Defatting of tissue on prolonged contact;

Chronic: Prolonged or repeated exposure to vapors or mists may cause liver damage and kidney damage.

FIRST AID: EMERGENCY PROCEDURES -

Eye contact: Flush eyes immediately with water.

Skin contact: Wash promptly with soap and water.

Inhaled: Remove from exposure to fresh air, apply artificial respiration if necessary.

Swallowed: Seek medical advice. DO NOT give counter agents or induce vomiting.

COMMENTS: This product has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE- Prior history of chronic respiratory or skin disease.

VI. REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): Strong oxidizers and selected amines.

Hazardous decomposition products (including combustion products):

Carbon dioxide, carbon monoxide.

Hazardous polymerization: Will not polymerize under ordinary conditions of use and storage.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Eliminate ignition sources. Contain spills for salvage or disposal. Minimize dilution water to control spill volume. Avoid run-off into sewers and ditches.

Preparing wastes for disposal: Consult federal, state, and local regulations controlling proper disposal of hydrocarbon based liquid material.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits, additional ventilation or exhaust systems may be required.

Respiratory Protection: In working atmosphere where TLV (or PEL) levels are exceeded, use NIOSH-approved air-purifying respirators with organic vapor cartridges.

Eye Protection: Use safety goggles where solvent splashes are expected.

Gloves: Prevent repeated or prolonged skin contact with nitrile or other solvent resistant gloves.

Other clothing and equipment: It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of liquid in contact with skin. Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.

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