



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Release 330
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: Flammable Liquids, n.o.s. 3, UN 1993, PG II (Contains xylene)
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)
Butanol	71-36-3	100 ppm	100 ppm
Butyl Acetate	123-86-4	150 ppm	150 ppm
Xylene	1330-20-7	100 ppm	100 ppm
Methyl Isobutyl ketone	108-10-1	50 ppm	100 ppm
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm
Ethylene Glycol Monopropyl Ether	2807-30-9	NA	NA
Methyl Alcohol	67-56-1	200ppm	200ppm
Petroleum Naphtha	64742-89-8	300ppm	300ppm
Isobutyl Alcoho	78-83-1	50ppm	100ppm
Butyl Alcohol	71-36-3	50ppm	100ppm

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
Xylene	1330-20-7	9.0
Methyl Isobutyl ketone	108-10-1	3.5
Methyl Ethyl Ketone	78-93-3	5.5
Methyl Alcohol	67-56-1	5%
Butyl Alcohol	71-36-3	9%
Ethylene Glycol Monopropyl Ether	2807-30-9	8%

WARNING: This product contains a trace amount of a chemical (Formaldehyde) known to the State of California to cause cancer.

III. PHYSICAL PROPERTIES

Vapor density (air = 1): >1
Solubility in water: NILL
Evaporation rate (Bu Ac = 1): >1
Appearance and odor: Clear colorless liquid, with ketone odor.
Volatile Organic Content (VOC,EPA Method 24): 744 gm/l or 6.2 lb/gal
Specific Gravity: 0.86
Density lb/gal: 7.2
VOC Composite Partial Pressure, mm Hg at 20°C: 30
Boiling Range °F: 231-286

IV. FIRE AND EXPLOSION

HAZARD RANKING

HMIS	Health Hazard=3	0=Least	4=Extreme
HAZARD	Flammability=3	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = G	3 = High	

G=Safety glasses, organic vapor respirator and gloves.

<u>Flash Point °F:</u> 21° TCC	<u>Autoignition temperature, °F:</u> n/a	<u>Flammable class:</u> IB
<u>Flammable limits in air, volume%:</u>	<u>lower MA</u>	<u>upper NA</u>
<u>Fire extinguishing materials:</u>	<u>N</u> water spray	<u>Y</u> carbon dioxide
	<u>Y</u> dry chemical	<u>Y</u> foam
		<u>N/A</u> other

Special firefighting procedures: Flammable material, keep container cool with water spray.

Unusual fire and explosion hazard: Wear appropriate protective equipment including respiratory protection. Stop spill/release if it can be done without risk. Avoid spreading burning liquid with water used for cooling purposes.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: Irritation of nose and throat; dizziness.

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

Absorbed through skin: Prolonged contact may lead to central nervous system depression

Swallowed: Nausea

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Defatting of tissue on prolonged contact, mild central nervous system depression, at very high concentrations it may produce narcosis.

Chronic: Kidney, Liver and brain 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 counteragents or induce vomiting.

COMMENTS: 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. Xylene causes harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.

Carcinogens: IARC: Yes OSHA: No NTP: Yes

VI. REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous decomposition products (including combustion products):

Carbon dioxide and carbon monoxide gases.

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 with 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. Where explosive mixtures may be present, electrical systems safe for such locations may be used.

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

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

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

Work practices, hygienic practices: Eye wash and quick drench shower facilities should be available in the work area.

Thoroughly clean shoes and wash contaminated clothing before reuse.

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. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. All other 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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