



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: No. 114 T.O.P.S

Chemical names, common names: Complex hydrocarbon based mixture

Manufacturer's Name: HURST CHEMICAL COMPANY

Address: 2500 San Fernando Road, Los Angeles, CA 90065

DOT CLASSIFICATION: Not regulated for Ground and Domestic only. 49CFR173.150

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
Aromatic naphtha	64742-95-6	NOT ESTABLISHED	
White Oil	8042-47-5	NOT ESTABLISHED	
Silicon Dioxide	14808-60-7	0.1mg/m3	0.1mg/m3

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	1.00-2.50
1,2,4-Trimethylbenzene	95-63-6	12.00-14.00

III. PHYSICAL PROPERTIES

Vapor density (air = 1): 1.0

Specific Gravity: 1.02

Density lb/gal: 8.5

Solubility in water: <5%

VOC Composite Partial Pressure, mm Hg at 20°C: 7.3

Evaporation rate (Bu Ac = 1): n/a

Boiling Range °F: 170

Appearance and odor: Light pink gel, with petroleum odor.

Photochemical Reactivity Rule-102: % By Volume Photochemically Reactive Ingredients= 62%

Volatile Organic Content (VOC,EPA Method 24): 566 gm/1 or 4.72 lb/gal

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 = Safety Glasses and Gloves	3 = High	

Flash Point °F: 130

Autoignition temperature °F: n/a

Flammable limits in air, volume%: lower 0.7 upper 10.0 Flammable class: II

Fire extinguishing materials: n/a water spray Yes carbon dioxide Yes foam
Yes dry chemical Yes other

Special firefighting procedures: Use water spray to keep containers cool. Solvent vapors exposed to open flames can become flammable under certain conditions; then use foam, dry chemical or carbon dioxide to extinguish.

Unusual fire and explosion hazard: : Keep work areas free of hot metal surfaces and other sources of ignition.

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. 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; mild central nervous system depression; very high concentrations may produce narcosis. Long term exposure to dried powder may lead to silicosis.

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

FIRST AID: EMERGENCY PROCEDURES -

Eye contact: Flush eyes immediately with water, for 15 minutes, if irritation persists seek medical attention

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 and skin disease.

RECOMMENDATIONS TO PHYSICIAN - If signs of central nervous system depression occur, obtain blood glucose and complete neurological examination.

VI. REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Incompatibility (materials to avoid): Strong oxidizers, hydrofluoric acid.

Hazardous decomposition products (including combustion products): Carbon dioxide and 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 materials.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Ventilation is essential for maintaining a safe level of concentrations. Floor ventilation is preferred.

Respiratory Protection: In working atmosphere where TLV or (PEL) levels are exceeded, use NIOSH-approved chemical cartridge respirator. Where dusty atmosphere is encountered, use NIOSH approved air-purifying respirator with dust filter.

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.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Store in original containers in a cool location, safe from physical damage, with containers tightly closed. DO NOT reuse containers. "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.

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