

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Hurst Color Clean 2 Chemical names, common names: Complex Hydrocarbon Mixture Manufacturer's Name: HURST GRAPHICS, INC. Address: 2500 San Fernando Road, Los Angeles, CA 90065 DOT CLASSIFICATION: COMBUSTIBLE liquid,n.o.s., combustible liquid, NA 1993, PG III (contains naphtha ,petroleum)173.150 For Product Information, call : (323) 223-4121 FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

		Exposure Limits in .	<u>Air</u>
Chemical Names	CAS Number	ACGIH (TWA)	<u>OSHA (PEL)</u>
Stoddard Solvent	8052-41-3	100 ppm	100 ppm
Aromatic Naphtha	64742-95-6	N/A	400 ppm
2-Butoxyethanol	111-76-2	5ppm	25 ppm

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
2-Butoxyethanol	111-76-2	8.00
1,2,4-Trimethylbenzene	95-63-6	4.00

III. PHYSICAL PROPERTIES

 Vapor density (air = 1): >1
 Specific Gravity: 0.799
 Density: 6.66 lb/gallon

 Solubility in water: Nill
 VOC Composite Partial Pressure, mm Hg at 20°C: 2.06

 Evaporation rate (Bu Ac = 1): <1</td>
 Boiling Range oF: 315 355

 Appearance and odor: Colorless liquid with mild hydrocarbon odor.

 Photochemical Reactivity Rule-102: Non-Photochemically Reactive= 14% By Volume

 Volatile Organic Content (VOC,EPA Method 24): 799 gm/l or 6.66 lb/gal

IV. FIRE AND EXPLOSION

	HAZARD RANKING		
HMIS	Health Hazard=2	0=Least	4=Extreme
HAZARD	Flammability=2	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = Organic vapor respirator,	3 = High	
	gloves, and safety glasses	-	

Flash Point °F: 108 TCC

Flammable limits in air, volume%:	lower <u>0.5</u> upper <u>6</u>		
Fire extinguishing materials:	<u>No</u> water spray	Yes carbon dioxide	<u>Yes</u> foam
	Yes dry chemical	<u>No</u> other	

<u>Special firefighting procedures:</u> 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 purposes.

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:One or more components of this material is toxic by inhalation. Breathing vapors or mists may be harmful. Symptoms of toxicity may include: irritation of the nose and throat, signs of nervous system depression, blood disorders. Liver damage and kidney damage. Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

Contact with eyes: This material is an eye irritant, it may cause burning, tearing, redness and swelling of the eye. Absorbed through skin: May cause skin irritation, redness, burning, drying and cracking of the skin.

Swallowed: Irritation of digestive tract, signs of nervous system depression. Aspiration hazard, can enter lungs during vomiting and swallowing and cause lung inflammation and damage.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Irritation of eyes, skin and respiratory tract, dry, cracked skin, central nervous system depression. Chronic: Cumulative exposure targets are, respiratory system, liver and kidney.

FIRST AID: EMERGENCY PROCEDURES -

Eye contact: Flush with clean water for 20 minutes and seek medical advice. Skin contact: Remove contaminated clothing and wash the affected areas with soap and water. Seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air. Seek immediate medical attention. Swallowed:This material is toxic by ingestion and an aspiration hazard.Do not induce vomiting, call a physician at once. 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.

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

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures:Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. A universal type foam can be used to suppress vapors. Keep spills out of drains, sewers or waterways. Use sand or other inert materials to dam and contain spill. Do not flush area with water. Call spill response team if large spill occurs. Notify appropriate state/local agencies.

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: If current ventilation practices are not adequate to maintain airborne concentration 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. Floor ventilation is preferred.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and cannisters (NIOSH Approved).

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: 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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