

## MATERIAL SAFETY DATA SHEET

## =====I. PRODUCT INFORMATION=====

Trade Name: No. 150 Film Cleaner  
Chemical names, common names: Complex hydrocarbon based solution  
Manufacturer's Name: HURST GRAPHICS, INC.  
Address: 2500 San Fernando Road, Los Angeles, CA 90065  
Business/Emergency Phone Number: (213) 223-4121

## =====II. HAZARDOUS INGREDIENTS=====

<u>Chemical Names</u>	<u>CAS Numbers</u>	<u>Exposure Limits in Air</u>	
		<u>ACGIH (TWA)</u>	<u>CAL-OSHA (PEL)</u>
Cyclohexane	110-82-7	300ppm	300ppm
Heptane	142-84-5	400ppm	400ppm
Hexane	110-54-3	50ppm	50ppm
Methyl Cyclohexane	108-87-2	400ppm	400ppm
Toluene	108-88-3	100ppm	100ppm
other ingredients		non-hazardous	

## =====III. PHYSICAL PROPERTIES=====

Vapor density (air = 1): 3.2      Specific Gravity: 0.73  
Solubility in water: <1%      Vapor Pressure, mmHg at 20°C: 109  
Evaporation rate (Bu Ac = 1): 3.6      Boiling Point °F: 145  
Appearance and odor: Clear colorless liquid with mild petroleum odor.

## =====IV. FIRE AND EXPLOSION=====

Flash Point °F: -20 TCC      Autoignition temperature °F: n/a  
Flammable limits in air, volume%: lower 1%      upper 7%

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

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

Unusual fire and explosion hazards: n/a

## =====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; defatting of tissue.

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

Swallowed: Nausea

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Skin, eye, and respiratory tract irritation; dry, cracked skin; mild central nervous system depression.

Chronic: Cumulative exposure target organs are liver, kidneys, and respiratory system.

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.

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=====V. HEALTH HAZARD INFORMATION (CONT)=====

SUSPECTED CANCER AGENT? - This product contains no ingredients which are listed in the Federal OSHA, NTP, IARC, or CAL-OSHA lists of suspected carcinogenic chemicals.

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

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 vapor concentrations. Floor ventilation is preferred.

Respiratory Protection: In working atmosphere where TLV (or PEL) levels are exceeded, use NIOSH-approved air purifying respirators with organic vapor cartridges. Do not exceed 100ppm without further engineering controls.

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: Remove non-impervious clothing that becomes wet to prevent fire and irritation source.

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

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.

DATE PREPARED: July 1986

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