

MATERIAL SAFETY DATA SHEET

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

Trade Name: No. 96 Silicone Spray  
Chemical names, common names: Complex chloro hydrocarbon aerosol mixture.  
Manufacturer's Name: HURST GRAPHICS, INC.  
Address: 2500 San Fernando Road, Los Angeles, CA 90065  
Business/Emergency Phone Number: (213) 223-4121  
MSDS Coordinator: CJ Nelson

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

Exposure Limits in Air

<u>Chemical Names</u>	<u>CAS Numbers</u>	<u>ACGIH (TWA)</u>	<u>CAL-OSHA (PEL)</u>
Methylchloroform	71-55-6 (500ppm excursion)	350ppm	350ppm
Hydrocarbon Propellant	68476-85-7	1000ppm	1000ppm

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

Vapor density (air = 1): >1.0      Specific Gravity: -94  
Solubility in water: <1%      Vapor Pressure, mmHg at 20°C: 140  
Evaporation rate (Bu Ac = 1): >1      Boiling Point °F: n/a  
Appearance and odor: Wet aerosol spray with chlorinated solvent odor.  
Volatile Organic Content (VOC): -280gm/l or 2.33 lb/gal

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

Flash Point °F: 156°F      Autoignition temperature °F: n/a  
Flammable limits in air, volume%: lower 1.8 upper 9.2  
Fire extinguishing materials: n/a water spray n/a carbon dioxide  
n/a foam n/a dry chemical Y other (see Special Firefighting Procedures)  
Special firefighting procedures: Keep containers cool to protect against bursting or rupturing containers.  
Unusual fire and explosion hazards: Containers may vent or burst at temperatures above 130° F.

=====V. HEALTH HAZARD INFORMATION=====

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: Unusual fatigue, light headedness, irritation of nose and throat.  
Contact with skin or eyes: Irritation of eyes and skin.  
Absorbed through skin: Numbness and tingling of limbs; irritation of skin.  
Swallowed: Nausea

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Sleepiness; skin, eye, and respiratory tract irritation; defatting of tissue on prolonged contact; 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 counter agents or induce vomiting.

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

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.
- Severe exposure to methyl chloroform resulted in adverse liver effects in laboratory animals.
- Pre-existing heart and liver disorders may be aggravated by excessive exposure to this material.

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): n/a

Hazardous decomposition products (including combustion products):

Carbon dioxide and carbon monoxide, hydrogen chloride and phosgene 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 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 chlorinated hydrocarbon containing liquid.

=====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 supplied air respirators. Do not exceed 500 ppm without further engineering controls.

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

Gloves: Prevent repeated or prolonged skin contact with viton 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: November, 1988

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