



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: NO 101 Litho Clean Systems Wash
 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: Flammable Liquids, n.o.s., 3, UN 1993, PG II (Contains naphtha, petroleum)
 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)
Petroleum distillates	8032-32-4	300 ppm	300 ppm
Xylene	1330-20-7	100 ppm	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	5%

III. PHYSICAL PROPERTIES

Vapor density (air = 1): 4.1 Specific Gravity: 0.76 Density lb/gal: 6.4
Solubility in water: < 0.05 % VOC Composite Partial Pressure, mm Hg at 20°C: 5.00
Evaporation rate (Bu Ac = 1): 1.00 Boiling Range °F: 250-300
Appearance and odor: Clear liquid with petroleum odor.
Photochemical Reactivity Rule-102: Non Photochemically Reactive
Volatile Organic Content (VOC, EPA Method 24): 762 gm/liter ; 6.4 lb/gallon

IV. FIRE AND EXPLOSION

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

Flash Point °F: 60

Flammable limits in air, volume%: lower 0.9 upper 6.0

Fire extinguishing materials: No water spray Yes carbon dioxide Yes foam
 Yes dry chemical No other

Special firefighting procedures: The use of SCBA is recommended for firefighters. 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: Flashback along vapor trail may occur. This material is flammable and may be ignited by heat, sparks, flame ignition sources or static electricity.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: This material is slightly toxic by inhalation. Effects of overexposure may include irritation of the nose and throat and signs of nervous system depression (e.g. , headache, drowsiness, dizziness, loss of coordination and fatigue). Respiratory symptoms associated with pre-existing lung disorders (e.g. , asthma-like conditions) may be aggravated by exposure to this material.

Contact with skin or eyes: Skin and eye irritant, Direct & prolonged contact with the liquid may cause stinging, tearing, redness, swelling of the eyes and redness, burning, drying and cracking of skin.

Absorbed through skin: Symptoms of toxicity are not anticipated by this route alone under normal conditions of use. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

Swallowed: Ingestion of excessive quantities may cause irritation of the digestive tract. Signs of nervous system depression. ASPIRATION HAZARD- This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Skin, eye, and respiratory tract irritation.

Chronic: Nervous system damage.

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: For direct contact hold eyelids apart and flush with clean water for at least 15 minutes.

Skin Contact: Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

Inhaled: If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persists, seek medical attention. If breathing difficulties develop oxygen should be administered by qualified personnel. Seek medical attention.

Swallowed: Aspiration hazard. Do not give anything by mouth, because this material can enter lungs and cause severe lung damage. If victim is drowsy or unconscious, place on the left side with the head down. Seek medical attention.

COMMENTS: This material has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA. Overexposure to this material or its component has been found to cause the following in laboratory animals; Anemia, Liver abnormalities, Kidney damage, Eye damage, and also overexposure to this material or its component has been suggested as a cause of human cardiac Abnormality. Xylene an ingredient in this product has been found to cause harm to the fetus in the laboratory animal studies. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painters' syndrome). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

VI. REACTIVITY DATA

Stability: Stable under ordinary use & storage.

Incompatibility (materials to avoid): Strong oxidizing and reducing agents.

Hazardous Decomposition products (including combustion products): Carbon dioxide and/or carbon monoxide.

Hazardous polymerization: Will not occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition away from spill. If spill is indoors, ventilate area of spill. A universal type foam may be used to suppress vapors. Keep out of drains, sewers, or waterway. Use sand or other appropriate absorbing inert material to dam and contain spill. Do not flush area with water. Preparing wastes for disposal: Dispose in accordance with Local, County, State and Federal regulations.

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 must be used.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentrations, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH approved, if available) or supplied air equipment.

Eye Protection: Approved eye protection to safeguard against potential eye, injury is recommended.

Gloves: The use of nitrile gloves is advised to prevent skin contact and possible irritation.

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.

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:

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.

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