



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: E Series Blanket & Roller Wash 451

Chemical names, common names: Hydrocarbon base solvent mixture

Manufacturer's Name: HURST CHEMICAL COMPANY Address: 2500 San Fernando Road, Los Angeles, CA. 90065 DOT INFORMATION: 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 Air

<u>Chemical Names</u> <u>CAS Number</u> <u>ACGIH (TWA)</u> <u>OSHA (PEL)</u>

Petroleum Naphtha 64742-95-6 NOT ESTABLISHED
Petroleum Distillates 64742-48-9 100 ppm 100 ppm

Limonene 5989-27-5 NOT ESTABLISHED

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

<u>Listed Ingredients</u> <u>CAS Number</u> <u>Weight % Range</u>

 1,2,4-Trimethylbenzene
 95-63-6
 14-18%

 Xylene
 1330-20-7
 3-5%

III. PHYSICAL PROPERTIES

<u>Vapor density (air = 1):</u> >1 <u>Specific Gravity:</u> 0.85 <u>Density lb/gal:</u> 7.08 <u>Solubility in water:</u> Nill <u>VOC Composite Partial Pressure, mm Hg at 20°C:</u> 2.8

Evaporation rate (Bu Ac = 1): >1 Boiling Range °F: 300-360

Appearance and odor: Clear colorless Liquid with mild hydrocarbon odor.

Photochemical Reactivity Rule-102: % By Volume Photochemically Reactive Ingredients= 70 %

Volatile Organic Content (VOC, EPA Method 24): 846 gm/l or 7.07 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 = B
 3 = High

B=Safety glasses, nitrile gloves.

Flash Point °F: 104 Flammable class: II

Flammable limits in air,volume%: lower: 1 upper: 13

<u>Fire extinguishing materials:</u> \underline{N} water spray \underline{Y} carbon dioxide \underline{Y} foam

Y dry chemical N other

<u>Special firefighting procedures:</u> The use of Self Contained Breathing Apparatus (SCBA) is recommended for fire fighters. 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.

<u>Unusual fire and explosion hazard:</u>: This material is combustible and may be ignited by heat, sparks, flame, static electricity and all other sources of ignition.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: While this product has a low degree of toxicity, breathing high concentrations of vapors or mists may cause irritation of the nose and throat, and signs of nervous system depression including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

Contact with skin or eyes: May cause severe skin and eye irritation.

Absorbed through skin: Skin contact may be harmful. Prolonged skin contact may cause redness, burning, drying and cracking.

Swallowed:Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression. Other symptoms of toxicity may include, nausea, vomiting, abdominal pain and diarrhea. Aspiration of this product into the lungs can cause chemical pneumonitis which can be fatal.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute:Irritation of the skin, eye, and the digestive tract.

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

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact:Immediately flush eyes with water for 15 minutes. If irritation persists seek medical attention.

Skin Contact:Flush affected areas with large amounts of water.If irritation persists seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air. If the victim is not breathing, artificial respiration should be administered. Seek medical attention.

Swallowed: ASPIRATION HAZARD. Do not induce vomiting or 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. If possible, do not leave victim unattended. Seek medical attention.

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 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.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE:Respiratory symptoms associated with pre-existing lung disorders (asthmalike conditions), may be aggravated by exposure to this material.

VI. REACTIVITY DATA

Stability:Stable

Incompatibility (materials to avoid):Strong acids, bases, oxidizing agents, selected amines

Hazardous Decomposition products (including combustion products):Carbon dioxide& carbon monoxide.

Hazardous polymerization: Will not occur.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Keep out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water. Notify appropriate state/local agencies.

Preparing wastes for disposal:Dispose the product in accordance with local, 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 may be used.

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). Eve Protection: Approved eve protection to safeguard against potential eve contact, irritation or injury is recommended.

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

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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