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Information Telephone Number: 1-800-527-8626 or 610-253-6206
For Chemical Spill Emergency - Call 1-800-424-9300

SECTION 1: PRODUCT INFORMATION

Product Name: **LO-VO WASH E-200**

D.O.T. Designation: Cleaning Liquid (Non-Regulated Combustible)

U.N. Designation: Flammable Liquids, N.O.S. (Contains Naphtha, Solvent), 3, UN1993, PGIII

SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	%WT.	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Aromatic Hydrocarbon	64742-95-6	10-20	100ppm (1)			
Aliphatic Hydrocarbon	64742-88-7	30-40	100ppm (2)	100ppm		

(1) Based on PEL for xylenes. (2) Based on VPEL for stoddard solvent, current PEL is 500ppm.

This blend contains approximately 14.0% 1,2,4-trimethylbenzene.

Cumene, ethyl benzene, and xylene are present at less than 1.0%.

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: IBP 305 degrees F. (154 degrees C.)

Specific Gravity: (Water =1) 0.831

Vapor Pressure: (mmHG, calculated) 3.0 at 68 degrees F., 20 degrees C.

Melting Point: N/A

Vapor Density: (Air =1, calculated) 4.7

Solubility in Water: Negligible

Appearance & Odor: Tannish liquid, petroleum odor

Maximum VOC Content: 3.9 lbs. per gallon (475 grams per liter)

Maximum VOC% : 60% (EPA Method 24)

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): 100-110 degrees F.

Flammable Limits (Calculated): LEL: 0.6% UEL: 7.0%

Extinguishing Media: Use dry chemical or carbon dioxide.

Special Fire-fighting Procedures: Use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Combustible liquid. Upon combustion, the product may form carbon monoxide and other organic compounds. Product containers may rupture from vapor pressure when exposed to heat from fire.

SECTION 5: REACTIVITY DATA

WARNING: Spontaneous combustion may occur when solvent soaked combustible materials (paper, cotton etc.) are allowed to stand in confined areas.

Stability: Stable

Incompatibility: Avoid strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide and other compounds during combustion.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs and open flame. Also avoid strong oxidizing agents.

SECTION 6: HEALTH HAZARD DATA

Routes of Entry: Inhalation, Ingestion, Skin

Health Hazards (Acute): Overexposure may lead to central nervous system depression, leading to headaches, nausea and unconsciousness.

Health Hazards (Chronic): Overexposure in high concentrations may produce central nervous system depression.

Eye Contact: May lead to irritation.

Skin Contact: May lead to dermatitis. Absorption – one or more components toxic when absorbed through the skin.

Ingestion: May lead to vomiting.

Carcinogenicity (NTP, IARC, OSHA): Components of this product are not listed as known human carcinogens.

Trace amounts of ethyl benzene may be found in the aromatic hydrocarbon. Ethyl benzene is listed by IARC as 2B (possible human carcinogen).

Signs and Symptoms of Exposure: Overexposure may lead to dizziness, headaches, dermatitis and eye irritation.

Medical Conditions Aggravated by Exposure: The aromatic hydrocarbon, a component of this blend, contains xylene. Xylene may be harmful to the human fetus based on positive test results with laboratory animals. Health studies have shown that many petroleum hydrocarbons pose potential health risks that vary from person to person. Minimize exposure to liquids, vapors, mists or fumes.

Emergency and First Aid Procedures:

For Skin Contact: Flush with large volume of water for at least 15 minutes.

Get immediate medical attention if necessary.

For Inhalation: Remove to fresh air. Get immediate medical attention.

For Eye Contact: Flush with large volume of water for at least 15 minute. Get immediate medical attention.

For Ingestion: Get immediate medical attention. Do not induce vomiting.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE/REGULATORY INFORMATION

Steps to be taken in case material is released or spilled: Caution - Spilt product may be slippery when on stairs or floors.

(Minor Spills): Absorb material with ground clay, vermiculite, or similar absorbent material, then place into containers for removal.

(Major Spills): Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent, or other safe and approved method and place into containers for legal disposal. Flush area with water to remove residue, and remove flushed solutions as above.

(Waste Disposal Method): Dispose of all waste in accordance with federal, state and local regulations.

Regulatory Information: This information may be useful in complying with EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR 372 (SARA) 313: This product contains approximately 14.0% 1,2,4- trimethylbenzene. Cumene, ethyl benzene, and xylene are present at less than 1.0%.

Product contains components which may be further regulated by state and/or local agencies (e.g. benzene and CA65C) - Consult Appropriate Agencies.

Precautions to be taken in Handling and Storing: Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV in Section 2. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment. Keep containers closed when not in use. Combustible liquid - empty containers can be hazardous and contain explosive vapors.

The components of this product are listed on both the United States TSCA and the Canadian DSL.

HMIS: Health Hazard: **1** Flammability: **2** Reactivity: **0** Personal Protection: **B**

SECTION 8: CONTROL MEASURES

Respiratory Protection: Needed if TLV's in Section 2 are exceeded. Use supplied air equipment or respirators with proper NIOSH approved cartridges.

Ventilation: Local and mechanical exhaust recommended. Avoid open electrical sources near product vapor areas.

Protective Gloves: Impervious or chemical resistant gloves (consult safety equipment supplier).

Eye Protection: Chemical splash goggles are recommended to protect against potential eye contact.

Other Protective Clothing and Equipment: Safety shoes and aprons recommended.

Work and Hygienic Practices: Do not take internally. Avoid skin contact and wash skin after using products. Do not eat, drink or smoke in work area. Keep away from children.

FOR MORE INFORMATION, CONSULT TOWER PRODUCTS, INC.

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