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 Information Telephone Number: 1-800-527-8626 OR 610-253-6206
For Chemical Spill Emergency - Call 1-800-424-930009

SECTION 1: PRODUCT INFORMATION

Product Name: **LO-VO WASH 50** (One Step Low V.O.C. Press Wash)

D.O.T. Designation: Cleaning Liquid (Non-Regulated Combustible) (1)

(1) Contact manufacturer for designation for bulk domestic ground shipments.

SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS No.	% WT.	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Aliphatic Hydrocarbon	64742-88-7	45-55	100ppm (1)	100ppm		

(1) Based on VPEL for Stoddard Solvent, current PEL is 500ppm.

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: IBP greater than 200 degrees F.

Specific Gravity: (Water =1) .824

Vapor Pressure: (mmHG, calculated) less than 5.0 at 68 degrees F. (20 degrees C.)

Melting Point: N/A

Vapor Density: (Air = 1) Not Determined

Solubility in Water: Negligible

Appearance and Odor: Tan colored liquid, petroleum odor

V.O.C. Content: 3.45 lbs./gal. (414 grams/liter)

Maximum V.O.C. %: 50%

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method) 155 degrees F.

Flammable Limits (Calculated): LEL: 1.4 UEL: 9.3

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, product may form carbon monoxide and other organic compounds. Containers of this product may rupture from vapor pressure when exposed to heat from fire.

SECTION 5: REACTIVITY DATA

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

Stability: Stable Incompatibility: Avoid strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide and other products 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.

Ingestion: May lead to vomiting.

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

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

Medical Conditions Aggravated by Exposure: Health studies have shown that many petroleum hydrocarbons pose potential health risk that vary from person to person. Minimize exposure to liquids, vapors, mists and 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 minutes.

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 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:

The following information may be useful in complying with EPA Regulation 40 CFR 302 (CERCLA) Section 102 and EPA Regulation 40 CFR 372 (SARA) Section 313: NONE

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

Precautions to be Taken in Handling & 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 supplied air equipment or respirators with proper 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 of Section 2 are exceeded. Use a respirator with appropriate NIOSH approved cartridges or air supplied equipment.

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 recommended to protect against potential eye contact.

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

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

FOR MORE INFORMATION, CONSULT TOWER PRODUCTS, INC.

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