

# MATERIAL SAFETY DATA SHEET

1/9/2008

Tower Products, Inc., 2703 Freemansburg Ave., Easton, PA 18045

Information Telephone Number: 1-800-527-8626 or 215-253-6206

**For Chemical Spill Emergency - Call 1-800-424-9300**

## SECTION 1: PRODUCT INFORMATION

Product Name: **STAR WASH** (High Flashpoint Water Miscible Wash)

D.O.T. Designation: Cleaning Liquid. Not Regulate

U.N. Designation: Same as D.O.T.

## SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS No.	% WT.	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Aliphatic Hydrocarbons	64742-88-7	60-70	100ppm(1)	100ppm		
Aromatic Hydrocarbons (2)	64742-94-5	30-40			100ppm(Exxon overall)	

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

(2) Aromatic contains Naphthalene and 1,2,4-Trimethylbenzene. OSHA VPEL for Naphthalene is 10ppm TWA and 15ppm STEL. The OSHA VPEL for 1,2,4-Trimethylbenzene is 25ppm TWA.

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: IBP 359 degrees F.

Specific Gravity: (Water =1) 0.827

Vapor Pressure: (mmHg) Less than 1.0 at 68 degrees F., 20 degrees C.

Melting Point: N/A

Vapor Density: (Air =1) Not Determined

Solubility in Water: Miscible

Appearance & Odor: Water white liquid, petroleum odor

Maximum VOC Content: 6.77 lbs. per gallon (812 grams per liter)

Max. VOC %: 98%

## SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): Greater than 142 degrees F.

Flammable Limits: Not Determined

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 with solvent soaked combustible materials such as paper, cotton, wool, etc., that are allowed to stand in a confined area.**

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

Route of Entry: Inhalation, Skin, Ingestion

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): This product contains naphthalene (a component of the aromatic hydrocarbon). Based on carcinogenicity in experimental animals, IARC lists naphthalene as 2B possible human carcinogen and NTP lists it as an anticipated carcinogen.

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

Medical Conditions Aggravated by Exposure: This material (or components) causes harm to fetus. Infants are more sensitive than adults to the toxic effects of Naphthalene. Health studies have shown that many petroleum hydrocarbons pose potential health risk 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.

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. Material is an aspiration hazard.

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

Steps to be taken in case material is released or spilled:

(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 40CFR320 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: This product contains approximately 1.7% naphthalene and 2.1% 1,2,4-Trimethylbenzene. The Reportable Quantity (RQ) for naphthalene is 100 pounds.

Product may contain components that are 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.

HMIS: Health Hazard: **2** 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 recommended to protect against potential eye contact.

Other Protective Clothing and Equipment: Safety shoes and aprons are 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, CONTACT TOWER PRODUCTS INC.**

**THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR**

**IMPLIED IS MADE.**