

**Tower Products, Inc.**, 2703 Freemansburg Ave., Easton, PA 18045  
 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: **UV WASH - HF** (High Flash UV/EB Ink Cleaner)  
 D.O.T. Designation: Cleaning Liquid. Not Regulated.  
 U.N. Designation: Same as DOT.

### SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	%WT.	OSHA PEL	ACGIH TWA-TLV	OTHER RATINGS	OSHA STEL
Aromatic Hydrocarbon	64742-94-5	30 - 40			100ppm(Exxon)	
Aliphatic Hydrocarbon	64742-88-7	30 - 40	100ppm(1)	100ppm(1)		
Dipropylene Glycol Monomethyl Ether	34590-94-8	30 - 40	100ppm	100ppm		150ppm
Nonylphenol Branched Polyethoxylate	68412-54-4	1-2				

(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: 350 degrees F., 177 degrees C.  
 Specific Gravity: (Water = 1) 0.88  
 Vapor Pressure: (mmHG, calculated) 1.0 at 68 degrees F., 20 degrees C.  
 Melting Point: N/A  
 Vapor Density: (Air =1, calculated) 4.7  
 Solubility in Water: Negligible  
 Appearance & Odor: Water white liquid, petroleum odor  
 Maximum VOC Content: 7.2 lbs. per gallon (864 grams per liter)  
 Maximum VOC%: 99% (EPA Method 24)

### SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): 142 degrees F.  
 Flammable Limits (Calculated): LEL: 0.9% UEL: 14.1%  
 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. 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 (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

Route 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): 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 risks 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:

(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.

(Waster 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 2.7% naphthalene. Product may contain components which are further regulated by state and/or local agencies - 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 a respirator with appropriate NIOSH approved cartridges or supplied air 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/Equipment: Safety shoes and aprons recommended.

Work and Hygiene 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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