

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: **RECHARGE CONCENTRATE HF** (Recharge Additive)

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

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

SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

Hazardous Component	CAS No.	% WT.	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Aliphatic Hydrocarbon	64742-88-7	85-95	100ppm(1)	100ppm		

(1) Based on 1989 levels for Stoddard Solvent. Current PEL is 500ppm

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 355 degrees F.

Specific Gravity: (Water =1) 0.80

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

Melting Point: N/A

Vapor Density: (Air = 1) 5.4

Solubility in Water: Miscible

Appearance & Odor: Cloudy to water white liquid, petroleum odor

Maximum VOC Content: 5.95lbs. per gallon (714 grams per liter)

Maximum VOC%: 91% (EPA Method 24)

SECTION 4: FIRE AND EXPLOSION DATA

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

Flammable Limits (Calculated): LEL: 1.0% 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, this product may form carbon monoxide and other organic compounds. Containers of 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.) that 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 and 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 have not shown any evidence of carcinogenicity

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 risks that vary from person to person, exposure to liquids, vapors, mists or fumes should be minimized.

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.

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

Regulatory Information: Reportable Quantity (RQ) EPA 40 CFR 302 (CERCLA) Section 102....None.
EPA 40 CFR 372 (SARA) 313....None.

Product may contain components that may be 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.

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

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 air supplied equipment.

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

Protective Gloves: Impervious or chemical resistant gloves recommended (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 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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