

**1. CHEMICAL NAME AND COMPANY IDENTIFICATION**

**Formulated/Manufactured By:** Tower Products, Inc.  
2703 Freemansburg Avenue  
Easton, PA 18045

**Information Telephone Number:** 1-800-527-8626 or 610-253-6206

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

**Product Name:** CTP Scratch Remover (Scratch Remover for CTP Plates)

**CAS Number:** Mixture - Not Established

**2. HAZARD(S) IDENTIFICATION****GHS Classification**

Flammable Liquids (Category 4)  
Skin Irritation (Category 2)  
Eye Irritation (Category 2A)  
Specific Target Organ Toxicity - Single Exposure (Category 3)

**GHS label elements, including hazard and precautionary statements**

Pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

H227: COMBUSTIBLE LIQUID.  
H315: CAUSES SKIN IRRITATION.  
H319: CAUSES SERIOUS EYE IRRITATION.  
H336: MAY CAUSE DROWSINESS OR DIZZINESS.

Precautionary statement(s)

Prevention:

P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES.  
NO SMOKING.  
P280: WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.  
P264: WASH SKIN THOROUGHLY AFTER HANDLING.  
P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPOR/SPRAY.

Response:

P370+P378: IN CASE OF FIRE: USE WATER TO EXTINGUISH.  
P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER.  
P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.  
P304+P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

**Storage:**

P403+P233+P405: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE LOCKED UP.

**Disposal:**

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

**HMIS Classification**

Health Hazard: 2

Flammability: 2

Physical Hazard: 0

Personal Protection: B

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Component(s)</b>	<b>CAS Number</b>	<b>*Concentration (weight)</b>
Aliphatic Hydrocarbon	64742-47-8	10-25%
Aromatic Hydrocarbon	64742-95-6	1-10%
Glycerin	56-81-5	1-10%
Phosphoric Acid	7664-38-2	1-10%
Nonionic Surfactant	9036-19-5	1-10%
Sodium Hexametaphosphate	10124-56-8	1-10%
Magnesium Nitrate Hexahydrate	13446-18-9	1-10%
Nonylphenol Ethoxylates	9016-45-9	1-10%
<b>Components of the Aromatic Hydrocarbon:</b>		
1,2,4-Trimethylbenzene	95-63-6	≤ 1.65%
Xylene	1330-20-7	< 1.0% - TRACE
Cumene	98-82-8	< 1.0% - TRACE

\* In accordance with paragraph (i) of §1910.1200, exact chemical percentages (concentration) of composition have been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Exposure Routes:** Inhalation, Ingestion, Skin

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

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

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

**Skin Contact:** Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Water.

**Specific Hazards:** None.

**Special protective equipment for fire-fighters:** Use self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions and protective equipment:**

**Respiratory Protection:** Use supplied air equipment or respirators with proper NIOSH approved cartridges.

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

**Eye Protection:** Chemical splash goggles recommended against potential eye contact.

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

**Methods for Clean-Up:**

**Minor Spills:** Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.

**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 material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.

**7. HANDLING AND STORAGE**

**Handling:** Do not reuse containers. Empty containers can be hazardous. Ground fixed equipment. Bond and ground transfer equipment and containers. Plastic or stainless steel pumps or faucets recommended.

**Storage:** Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

<b>Exposure Guidelines:</b>		<b>OSHA</b>	<b>ACGIH</b>	<b>ACGIH</b>	<b>OTHER</b>
<b>COMPONENT</b>	<b>CAS No.</b>	<b>PEL/TWA</b>	<b>TLV/TWA</b>	<b>TLV/STEL</b>	<b>RATING</b>
Aliphatic Hydrocarbon	64742-47-8	100ppm(1)	100ppm		
Aromatic Hydrocarbon	64742-95-6	100ppm(2)	100ppm		
Glycerin	56-81-5	15mg/m3	10mg/m3		
Phosphoric Acid	7664-38-2	1mg/m3	1mg/m3	3mg/m3	
Nonionic Surfactant	9036-19-5	N/E	N/E		
Sodium Hexametaphosphate	10124-56-8	N/E	N/E		
Magnesium Nitrate Hexahydrate	13446-18-9	N/E	N/E		
Nonylphenol Ethoxylates	9016-45-9	N/E	N/E		

(1) Based on 1989 VPEL levels for Stoddard Solvent; current PEL is 500ppm.

(2) Based on PEL for Xylene.

This blend contains approximately 1.65% 1,2,4 Trimethylbenzene. Xylene, Cumene and Ethyl Benzene are present at less than 1%.

**Exposure Controls:** Avoid open electrical sources near product vapor areas.

**Personal Protection Equipment:**

**Eyes:** Chemical splash goggles recommended.

**Skin and body:** Impervious or chemical resistant gloves (consult safety equipment supplier).

**Respiratory:** Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White emulsion

**Odor:** Mild solvent odor

**pH:** 2.2 - 2.4

**Melting point:** N/A

**Boiling Point:** 212° F

**Flash Point:** (Tag Closed Cup Method) > 150° F

**Flammable Limits:**

**LEL:** N/A

**UEL:** N/A

**Vapor Pressure:** (mmHg, calculated) < 1

**Vapor Density:** (air = 1, calculated) 17.4

**Specific Gravity:** (Water = 1) 1.12

**Solubility in water:** Emulsion

**Maximum VOC Content:** 1.3 Lb/G (156 Gm/L)

**Maximum VOC %:** 14%

**Odor Threshold:** N/A

**Evaporation Rate:** N/A

**Relative Density:** N/A

**Partition Coefficient: N-Octano/Water:** N/A

**Auto-ignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Viscosity:** N/A

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable

**Incompatible Materials:** Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid exposure to high heat sources, electrical and welding arcs, open flame, contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

**11. TOXICOLOGICAL INFORMATION****(ATE) FOR MIXTURE:**

Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

**Oral LD50:**

LD50 Oral -  $\geq$  6,211 mg/kg

**Dermal LD50:**

LD50 Dermal -  $\geq$  12,820 mg/kg

**Inhalation LC50:**

LC50 Inhalation - No data available.

**Other information on Acute Toxicity:**

No data available

**Routes of exposure:** Inhalation, Ingestion, Skin

**Acute:** Overexposure may lead to dermatitis and eye irritation.

**Chronic:** Overexposure in high concentrations may dermatitis and eye irritation.

**Signs and Symptoms of Exposure:** Overexposure may lead to dermatitis and eye irritation.

**Medical Conditions Aggravated by Exposure:** Preexisting eye, skin, liver, kidney, blood, nerve, or respiratory disorders may be aggravated by exposure.

**Carcinogenicity (NTP, IARC, OSHA):** Components of this product have not shown any evidence of carcinogenicity.

TRACE amounts (<1%) of Ethyl Benzene and Cumene, as components of the Aromatic Hydrocarbon, are listed by IARC as 2B Possible Human Carcinogen.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in the soil:** No data available

**Other adverse effects:** No data available

**13. DISPOSAL CONSIDERATIONS****Waste disposal methods:**

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**14. TRANSPORTATION INFORMATION**

<u>U.S. D.O.T. DESIGNATION</u>	<u>ID NUMBER</u>	<u>HAZARD CLASS</u>	<u>PACKING GROUP</u>
Cleaning Liquid. Not Regulated			

**U.N. DESIGNATION**

Same as D.O.T.

**15. REGULATORY INFORMATION**

**Regulatory Information:** This information may be useful in complying with various federal and state regulations: Components present in this product at a level which could require reporting under EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: This product contains approximately 1.65% 1,2,4-Trimethylbenzene, and 2.9% Phosphoric Acid 85%. Cumene, Ethyl Benzene and Xylenes are present at less than 1.0%.

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

**Notification status:**

U.S.: Toxic Substances Control Act (TSCA) Y

Canada: Domestic Substances List (DSL): Y

**16. OTHER INFORMATION**

**For More Information, Consult Tower Products, Inc.**

**This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.**

**Date of Preparation:** January 1, 2015