

# MATERIAL SAFETY DATA SHEET

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**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: **RESTORKLEEN** (Deglazer, Rejuvenator and Conditioner)

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

U.N. Designation: Flammable Liquids, N.O.S. (Contains Naphtha, Solvent), 3, UN1993, PGIII

## SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	% WT.	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Triethanolamine	102-71-6	5-15		5MG/M3		
Aromatic Hydrocarbon	64742-95-6	25-35	100ppm (1)			
Mineral Spirits	8052-41-3	35-45	100ppm (2)	100ppm		
Dipropylene Glycol Monopropyl Ether	34590-94-8	30-40	100ppm	100ppm		150ppm

(1) Based on PEL for Xylenes. (2) Based on 1989 VPEL for stoddard solvent is 100ppm. Current PEL is 500ppm.

This blend contains approximately 1.25% cumene, 1.25% xylene, and 5.25% 1,2,4 trimethylbenzene.

Ethyl benzene and naphthalene are present at less than 1.0%.

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 308 degrees F., 153 degrees C.

Specific Gravity: (Water =1) 0.886

Vapor Pressure: (mmHG, calculated) 3.0 at 68 degrees F., 20 degrees C.

Melting Point: N/A

Vapor Density: (Air =1, calculated) 5.3

Solubility in Water: Negligible

Appearance & Odor: Light colored liquid, glycol ether odor

Maximum VOC Content: 6.97 lbs. per gallon (836 grams per liter)

Maximum VOC%: 90% (EPA Method 24)

## SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): 112 degrees F.

Flammable Limits (Calculated): LEL: 0.6% UEL: 14.0%

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 when 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

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 known human carcinogens. Trace amounts of ethyl benzene and naphthalene, as components of the aromatic and mineral spirits, are listed by IARC as 2B (possible human carcinogen).

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

Medical Conditions Aggravated by Exposure: The aromatic hydrocarbon, (a component of this blend), contains xylene. Xylene may be harmful to the human fetus based on positive test results with laboratory animals.

Health studies have shown that many petroleum hydrocarbons pose potential health risks 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 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): Eliminate sources of ignition. Absorb material with ground clay, vermiculite or similar absorbent material, then place into containers for removal.

(Major Spills): Eliminate sources of ignition. Dike and contain spill. 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 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: This product contains approximately 1.25% cumene, 1.25% xylene, and 5.25% 1,2,4 trimethylbenzene. Ethyl benzene and naphthalene are present at less than 1.0%. This product contains components which may be further regulated by state and/or local agencies (e.g. benzene) - 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 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 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.**

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