

# 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: **TOWER MRC** (Very Fast Drying Metering Roller & Back Roller Cleaner)

D.O.T. Designation: Flammable Liquids, N.O.S. (Contains Heptane, Acetone, Isopropanol), 3, UN1993, PGII

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

## SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	% WT.	OSHA PEL	ACGIH TLV-TWA	OSHA STEL	ACGIH STEL
Heptane	142-82-5	75-85	500ppm	400ppm	-	500ppm
Acetone	67-64-1	10-20	750ppm	750ppm	1000ppm	-
Isopropanol	67-63-0	5-10	400ppm	400ppm	500ppm	-

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 200 degrees F (212-285)

Specific Gravity: (Water = 1) 0.72

Vapor Pressure: 25mmHG @ 68 degrees F

Melting Point: N/A

Vapor Density: (Air = 1) >1.0

Solubility in Water: 20%

Appearance & Odor: Clear liquid, petroleum odor.

Maximum VOC: 4.2# (Acetone Exempt)

## SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Typical/Estimated): Less than 20 degrees F.

Flammable Limits (Approximate): Not Tested

Extinguishing Media: Use dry chemical or carbon dioxide.

Special Fire-fighting Procedures: Use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Flammable 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 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, static and open flame. Also avoid strong oxidizing agents, halogens, concentrated nitric or sulphuric acid or molten sulphur.

## SECTION 6: HEALTH HAZARD DATA

Routes of Entry: Inhalation, Ingestion, Skin

Health Hazards (Acute): Overexposure may lead to central nervous system (CNS) depression, leading to headaches, nausea and dizziness; in extreme cases unconsciousness and death may occur.

Health Hazards (Chronic): Prolonged skin contact may cause dermatitis. Ingestion of product can cause vomiting leading to aspiration pneumonitis. Prolonged or repeated exposure to toluene (a component of the blend) may cause liver and kidney damage. Prolonged and intentional abuse may also cause birth defects.

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 carcinogens.

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

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Consultation with a physician is recommended.

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: This information may be useful in complying with various federal and state regulations: The CERCLA reportable quantity (RQ) for Acetone & Hexane is 5000 lbs. This product contains components which may be regulated by individual state and local agencies (SARA 313 – n.Hexane 0.50%) - Consult Local 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. Flammable liquid - empty containers can be hazardous and contain explosive vapors. Ground fixed equipment. Bond and ground transfer equipment and containers.

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

HMIS: Health Hazard: **2** Flammability: **3** 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 against potential eye contact.

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

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