

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: **MRC 2010** (Low Vapor Pressure Metering Roller Cleaner)

D.O.T. Designation: Flammable Liquids, N.O.S. (Contains Naphtha, Solvent, Isobutyl Alcohol), 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
Aliphatic Hydrocarbon	64742-89-8	55-65		100ppm (1)		
Isobutyl Alcohol	78-83-1	35-45	100ppm	50ppm		

(1) OSHA VPEL 400ppm.

Xylene – A component of this material also has an exposure level of 100ppm.

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 226-240 degrees F

Specific Gravity: (Water = 1) 0.79

Vapor Pressure: 9.58mmHG @ 20 degrees C

Melting Point: N/A

Vapor Density: (Air = 1) >1.0

Solubility in Water: Negligible

Appearance & Odor: Clear liquid, Hydrocarbon/alcohol odor.

VOC: 6.59 Lb/Gal (790 Gm/L)

Maximum VOC: 100%

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Typical/Estimated): Greater than 45 degrees F

Flammable Limits (Approximate): Unknown

Extinguishing Media: Use dry chemical, carbon dioxide, or universal foam.

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

Unusual Fire and Explosion Hazards: Flammable liquid. Excess heat, sparks and open flame.

SECTION 5: REACTIVITY DATA

Stability: Stable

Incompatibility: Avoid strong oxidizing agents, strong reducing agents, strong bases.

Hazardous Decomposition or Byproducts: In contact with open flame or incandescent material will liberate carbon dioxide, carbon monoxide and hydrocarbons.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Excess heat, sparks and open flame

SECTION 6: HEALTH HAZARD DATA

Routes of Entry: Inhalation, Ingestion, Skin Contact/Absorption, Eye Contact,

Health Hazards (Acute): Inhalation - Inhalation can cause severe irritation of the respiratory tract, signs of central nervous system depression, dizziness, nausea and headache. Eye – Will cause severe irritation, burning, redness and tearing. Skin – Can cause irritation, redness burning and drying. Ingestion causes irritation of the digestive tract. Aspiration into the lungs can lead to pulmonary odema and chemical pneumonia which can prove fatal. Prolonged over-exposure can lead to narcosis, respiratory failure, coma.

Health Hazards (Chronic): Prolonged skin contact may aggravate an existing dermatitis. Prolonged and repeated exposure to the pure solvent contained in this product has been reported to cause permanent brain and central nervous system damage.

Carcinogenicity (NTP, IARC, OSHA): Components of this product are not listed as carcinogens.

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: Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.
- For Inhalation: Remove to fresh air. If breathing difficulties occur, administer oxygen/artificial respirations. Get immediate medical attention.
- For Eye Contact: Flush with large volume of water for at least 15 minutes. Seek immediate medical attention.
- For Ingestion: Do not induce vomiting. Material is an aspiration hazard, may enter lungs and cause lung damage. Seek immediate medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE/REGULATORY INFORMATION

Steps to be taken in case material is released or spilled:

Eliminate sources of ignition. Provide maximum ventilation. Dike area to contain spill. Take precautions to prevent contamination of ground and surface waters. Recover spilled material using absorbent material such as vermiculite and sweep into closed containers for disposal.

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: This product may contain up to 5.0% Xylene, 1.0% Ethylbenzene and 0.2% Benzene. The CERCLA reportable quantity (RQ) for Xylene and Ethylbenzene is 1000 lbs. Isobutyl Alcohol RQ is 5000 lbs.

Blend is an immediate health & fire hazard.

Precautions to be taken in Handling and Storing: Keep container closed when not in use. Store only in closed, properly labeled containers. Store as FLAMMABLE LIQUID. Store in a cool, dry, well ventilated area away from heat sparks and open flames. Use non-sparking handling and transfer equipment. Treat empty containers as containing hazardous residues.

Engineering Controls: Use local exhaust or dilution ventilation as appropriate to control exposure below permissible levels. Vapors are heavier than air and will collect in low areas.

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: C

SECTION 8: CONTROL MEASURES

Respiratory Protection: Use NIOSH approved SCBA in emergency situations or confined areas.

Protective Gloves: Nitrile for incidental, non-immersion contact (consult safety equipment supplier).

Eye Protection: Chemical splash goggles or face shield recommended.

Other Protective Clothing and Equipment: Safety shoes, aprons, or chemical suits should be used.

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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