

SAFETY DATA SHEET

METER CLEAN

DATE: 1/1/2015

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: METER CLEAN (Metering Roller Cleaner)

CAS Number: Mixture - Not Established

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable Liquids (Category 2)
Aspiration Hazard (Category 1)
Specific Target Organ Toxicity - Single Exposure (Category 2)
Specific Target Organ Toxicity - Single Exposure (Category 3)
Toxic To Reproduction (Category 2)
Skin Sensitizer (Category 1)
Skin Irritation (Category 2)
Eye Irritation (Category 2A)

GHS label elements, including hazard and precautionary statements

Pictogram(s)



Signal Word

DANGER !

Hazard statement(s)

H225: HIGHLY FLAMMABLE LIQUID & VAPOR.
H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
H336: MAY CAUSE DROWSINESS OR DIZZINESS.
H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
H371: MAY CAUSE DAMAGE TO ORGANS.
H315: CAUSES SKIN IRRITATION.
H319: CAUSES SERIOUS EYE IRRITATION.
H317: MAY CAUSE AN ALLERGIC SKIN REACTION.

Precautionary statement(s)

Prevention:

P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AN OTHER IGNITION SOURCES.
NO SMOKING.
P260: DO NOT BREATHE DUST/FUME/GAS/MIST/VAPORS/SPRAY.
P270: DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT.
P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P264: WASH SKIN THOROUGHLY AFTER HANDLING.

Response:

P370+P378: IN CASE OF FIRE: USE DRY CHEMICAL OR CARBON DIOXIDE TO EXTINGUISH.
P301+P310+P331: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR. DO NOT INDUCE VOMITING.

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P304+P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
P303+P361+P353: IF ON SKIN (or hair): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER (OR SHOWER).

P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE.

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: 3

Physical Hazard: 0

Personal Protection: B

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component(s)</u>	<u>CAS Number</u>	<u>*Concentration (weight)</u>
Aliphatic Hydrocarbon	142-82-5	75-85%
Toluene	108-88-3	10-20%
D-Limonene	5989-27-5	1-10%

* 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; if symptoms persist seek medical attention.

Inhalation: Remove to fresh air. If symptoms persist seek medical attention.

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

Skin Contact: Remove contaminated clothing; flush area with large amounts of water for at least 15 minutes.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry Chemical, Carbon dioxide (CO₂), Water spray

Specific 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.

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.

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7. HANDLING AND STORAGE

Handling: Flammable Liquid – empty containers can be hazardous and contain explosive vapors. Ground fixed equipment. Bond and ground transfer equipment and containers.

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

Exposure Guidelines:		OSHA	ACGIH	ACGIH	OTHER
<u>COMPONENT</u>	<u>CAS No.</u>	<u>PEL/TWA</u>	<u>TLV/TWA</u>	<u>TLV/STEL</u>	<u>RATING</u>
Aliphatic Hydrocarbon	142-82-5	400ppm	400ppm	500ppm	
Toluene	108-88-3	200ppm	20ppm		
D-Limonene	5989-27-5	N/E	N/E		30ppm(WEEL)

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: Clear liquid

Odor: Petroleum odor

pH: N/A

Melting point: N/A

Boiling Point: 200 °F

Flash point: (Typical/Estimated): < 20 °F

Flammable Limits: Approximate

LEL: 0.7%

UEL: 7.0% (for component)

Vapor Pressure: 40mmHG @ 68 °F (for component)

Vapor Density: (air = 1) > 1.0

Solubility in water: Not Soluble

Specific Gravity: (Water = 1) 0.73

Maximum VOC%: 100%

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

Stability: Stable

Incompatible products: Avoid strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and other compounds during combustion.

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.

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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 125,000 mg/kg

Dermal LD50:

LD50 Dermal - No data available

Inhalation LC50:

LC50 Inhalation - \geq 62.5 mg/l

Other information on Acute Toxicity:

No data available

Routes of exposure:

 Inhalation, Ingestion, Skin

Acute: Overexposure may lead to skin irritation, eye irritation, and central nervous system depression, leading to headaches, nausea and unconsciousness.

Chronic: Overexposure in high concentrations may produce central nervous system depression, dermatitis and eye irritation.

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

Medical Conditions Aggravated by Exposure: Preexisting eye, skin, kidney, liver, bladder, brain, nerves, heat, or respiratory disorders may be aggravated by exposure.

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

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 to 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>
Flammable liquids, N.O.S. (Contains Naphtha, Solvent, Toluene)	UN 1993	2	II

U.N. DESIGNATION

Same as D.O.T.

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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 20% Toluene.

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