

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 Names: **TOWER 226-M SOLVENT** (Ultra fast Drying Ink Cleaner)

D.O.T. & UN Designation: Flammable Liquids, Toxic, N.O.S. (Contains Toluene, Methanol), 3, (6.1), UN1992, PGII

SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	% WT.	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Toluene	108-88-3	50-70	100ppm	50ppm(skin)		150ppm
Methanol	67-56-1	20-40	200ppm	200ppm(skin)		250ppm(skin)
Acetone	67-64-1	10-20	750ppm	750ppm		1000ppm

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 133 degrees F.

Specific Gravity: (Water = 1) 0.84

Vapor Pressure: Not Available

Melting Point: Not Applicable

Vapor Density: (Air = 1) 2.49 (Calculated)

Solubility in Water: Negligible

Appearance & Odor: Water white liquid, solvent odor.

Maximum VOC Content: 6.3 lbs/gallon (755gm/liter) - Acetone exempt

Maximum VOC% : 90%

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Typical/Estimated): 1.4 degrees F.

Flammable Limits (Approximate): LEL: 1.4% UEL: 36.0%

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/Byproducts: Carbon monoxide, possibly formaldehyde.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs and open flame.

Avoid strong oxidizing agents, halogens, concentrated nitric or sulphuric acid or molten sulphur.

SECTION 6: HEALTH HAZARD DATA

Route of Entry: Inhalation, Ingestion, Skin

Health Hazards (Acute): Overexposure may lead to central nervous system depression, leading to headaches, nausea and unconsciousness and possibly death. Aspiration into lungs may cause severe pulmonary injury.

Health Hazards (Chronic): Prolonged skin contact may cause dermatitis. Ingestion of a toxic dose can cause gastroenteric irritation, narcosis and injury to the kidneys and liver. Acetone, one of the ingredients, is known to produce chronic or cumulative systemic effects. Methanol, an ingredient also, may cause brain damage, systemic poisoning or blindness.

Eye Contact: May lead to irritation.

Skin Contact: May lead to dermatitis.

Ingestion: May lead to vomiting. Swallowing methanol is life threatening.

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

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

Medical Conditions Aggravated by Exposure: Persons with heart, respiratory or any other medical condition should use caution when handling or using this product. Consultation with a physician is recommended.

Emergency and First Aid Procedures:

For Skin Contact: Flush with large amounts 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: If conscious and medical aid is not immediately available, give large amounts of water or milk and induce vomiting. Get immediate medical attention.

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

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

(Minor Spills): Absorb material with ground clay, vermiculite, or similar absorbent material, then place into containers for removal.

(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, 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:

SARA/CERCLA Reportable Quantities: Toluene 1,000 lbs., Acetone 5,000 lbs., and Methanol 5,000 lbs.

Product may contain components which are further regulated by state and/or local agencies - 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 supplied air equipment or respirators with proper NIOSH approved cartridges. Keep containers closed when not in use.

EXTREMELY FLAMMABLE LIQUID. Empty containers can be hazardous and contain explosive vapors. Protect containers from physical damage and store in a cool well-ventilated area. Ground all handling equipment.

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 a respirator with appropriate NIOSH approved cartridges.

Ventilation: Local and mechanical exhaust - explosion proof equipment is 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 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. Wash skin.

Do not eat, drink or smoke in work area. Keep away from children.

FOR MORE INFORMATION, CONSULT TOWER PRODUCTS, INC.

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