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 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: **18-M CLEANER & MRC** (Ultra Fast Drying Ink MRC and Ink Cleaner)
 D.O.T. and U.N. Designation: Flammable Liquids, N.O.S. (Contains Isopropyl Alcohol, Acetone, Toluene),
 3, UN1993, 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
Acetone	67-64-1	10-30	750ppm	750ppm	-	1000ppm
Isopropyl Alcohol	67-63-0	10-30	400ppm	400ppm	-	500ppm

* OSHA data is based on 1989 VPELs.

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 133 degrees F.
 Specific Gravity: (Water = 1) 0.838
 Vapor Pressure: 63.4 (Calculated)
 Melting Point: N/A
 Vapor Density: (Air = 1) 2.77 (Calculated)
 Solubility in Water: Negligible
 Appearance & Odor: Water white liquid, solvent odor.
 Maximum VOC Content: 5.7 lbs/gallon (679 gm/liter) - Acetone exempt
 Maximum VOC%: 82%

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Typical/Estimated): 0 degrees F.
 Flammable Limits (Approximate): LEL: 1.4% UEL: 12.8%
 Extinguishing Media: Use dry chemical or carbon dioxide.
 Special Fire-fighting Procedures: Use self contained breathing apparatus.
 Unusual Fire and Explosion Hazards: Extremely 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 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 depression, leading to headaches, nausea, unconsciousness and possibly death.

Health Hazards (Chronic): Prolonged skin contact may cause dermatitis. Ingestion of a toxic dose can cause gastro enteric irritation, narcosis and injury to the kidneys and liver. Acetone, one of the ingredients, is known to produce chronic or cumulative systemic effects.

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 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: 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 material and 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/approved method. 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 SARA/CERCLA reportable quantity for Acetone is 5,000 lbs. and for Toluene 1,000 lbs.

Product contains components which may be further regulated by state and/or local agencies (e.g. toluene) - 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.

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 recommended (consult safety equipment supplier).

Eye Protection: Chemical splash goggles recommended in order to protect 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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