

# MATERIAL SAFETY DATA SHEET

01/31/00

**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: **FLEXO-WASH** (Water-Based Flexographic Ink Cleaner)  
D.O.T. Designation: Cleaning Liquid. Not Regulated. (Freezable)  
U.N. Designation: Same as D.O.T.

## SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	%WT	OSHA PEL	ACGIH TLV-TWA	OTHER RATINGS	OSHA STEL
Dipropylene Glycol Monomethyl Ether	34590-94-8	1-10	100ppm/skin	100ppm/skin		
Sodium Xylene Sulfonate	1300-72-7(1)					
Surfactant	75-21-8 (1)					

(1) No exposure ratings, but these components are eye and skin irritants.

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212 degrees F.  
Specific Gravity: (Water = 1) 1.01  
Vapor Pressure: (mmHG, calculated) N/A  
Melting Point: N/A  
Vapor Density: (Air = 1, calculated) N/A  
Solubility in Water: Complete  
pH of Concentrate: (approximate) 11  
Appearance & Odor: Pale yellow, detergent odor.  
Maximum VOC Content: 0.3 lbs. per gallon (36 grams per liter)  
Maximum VOC% : 3%

## SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): None  
Flammable Limits (Calculated): LEL: N/A UEL: N/A  
Extinguishing Media: N/A  
Special Fire-fighting Procedures: N/A  
Unusual Fire and Explosion Hazards: N/A

## SECTION 5: REACTIVITY DATA

Stability: Stable  
Incompatibility: Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.  
Hazardous Decomposition or Byproducts: None  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys. Freezable.

## SECTION 6: HEALTH HAZARD DATA

Routes of Entry: Inhalation, Ingestion, Skin  
Health Hazards:

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 dermatitis and eye irritation.  
Medical Conditions Aggravated by Exposure: None known under recommended usage conditions.

Emergency and First Aid Procedures:

- For Skin Contact: Flush with large volume of water for at least 15 minutes.  
Get medical attention if necessary.
- For Inhalation: Remove to fresh air. Get medical attention if necessary.
- 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): 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:  
Reportable quantity (RQ) EPA Regulation 40CFR302 (CERCLA) Section 102: None.  
EPA Regulation 40CFR372 (SARA 313): None.

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. Empty containers can be hazardous. Freezable.

HMIS: Health Hazard: **1** Flammability: **0** Reactivity: **0** Personal Protection: **B**

**SECTION 8: CONTROL MEASURES**

- Respiratory Protection: Not normally required; however, if vapor or mist is generated in confined or poorly ventilated area which causes the TLV's in Section 2 to be exceeded, then use a respirator with appropriate NIOSH approved cartridges or use supplied air equipment.
- 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 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.

**THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED IS MADE.  
FOR MORE INFORMATION, CONSULT TOWER PRODUCTS, INC.**