

## MATERIAL SAFETY DATA SHEET

09/12/00

**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: **TOWER 270 CLEANER CONCENTRATE**

D.O.T. Designation: Corrosive Liquids, N.O.S, (Contains Disodium Trioxosilicate, Pentahydrate),  
8, UN1760, PGIII. (Freezable)

U.N. Designation: Same as DOT

### SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	%WT	OSHA TLV	ACGIH RATINGS	OTHER	OSHA STEL
Sodium Metasilicate	6834-92-0	10-20			Mfr (1)	
(1) Recommend same ceilings as for Caustic Soda: PEL of 2MG/M3 and TLV of 2MG/M3 (respirable).						

### SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212 degrees F.

Specific Gravity: (Water = 1) 1.12

Vapor Pressure: (mmHG, calculated) <.001

Melting Point: N/A

Vapor Density: (Air = 1, calculated) 2

pH of Concentrate: 12

Solubility in Water: Complete

Appearance & Odor: Translucent water white detergent odor.

Maximum VOC Content: 0 lbs. per gallon.

Maximum VOC% : 0%

### SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): None

Flammable Limits (Calculated): LEL: N/A UEL: N/A

Extinguishing Media: Water

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.

### 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 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.

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 a respirator with appropriate NIOSH approved cartridges or supplied air equipment. Keep containers closed when not in use. Empty containers can be hazardous.

HMIS: Health Hazard: **2** 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 Hygiene 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.**  
**THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED IS MADE.**