

# MATERIAL SAFETY DATA SHEET

12/15/10

**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: **MILLENNIUM SF** (Advanced Technology Fountain Solution)  
D.O.T. Designation: Cleaning Liquid. Not Regulated.  
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
Propylene Glycol	57-55-6	5-15			50ppm	
2-Butoxyethanol (1)	111-76-2	5-10	25ppm(skin)	25ppm (skin)		
Acetic Acid	64-19-7	1-5	10ppm	10ppm		
Trade Secret		5-10	15mg/m3 (total dust)			

Particulate Not Otherwise Regulated

(1) Potential significant contribution to overall exposure by cutaneous (skin) route, mucous membranes and eyes either by contact with vapors or direct skin contact.

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212 degrees F.  
Specific Gravity: (Water = 1) 1.080 at 68 degrees F.  
Vapor Pressure: <1.0 mmHg  
Melting Point: Not Applicable  
Vapor Density: Not Defined  
Solubility in Water: Complete  
pH of Concentrate: 3.80  
Appearance & Odor: Golden liquid, mild ether odor.  
VOC Content: 1.7 Lb/Gal (204 Gm/L)  
Maximum VOC%: 19%

## SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): 158 degrees F.  
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: None  
Hazardous Decomposition or Byproducts: None  
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.

## 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.  
Inhalation: May lead to nasal irritation.  
Carcinogenicity (NTP, IARC, OSHA): The components of this product have not shown any evidence of carcinogenicity.

Signs and Symptoms of Exposure: Overexposure may lead to dermatitis and eye irritation. Overexposure by ingestion or inhalation may lead to central nervous system depression.  
Medical Conditions Aggravated by Exposure: None known under recommended usage conditions.

**Emergency First Aid Procedures:**

- For Skin Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention if necessary.
- For Inhalation: Remove to fresh air. Get immediate 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: 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: 2-Butoxyethanol 8%.

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: Keep containers closed when not in use. Empty containers can be hazardous. Plastic or stainless steel handling and transfer equipment is recommended. Do not allow product to freeze.

HMIS: Health Hazard: **1** Flammability: **2** Reactivity: **0** Personal Protection: **B**

**SECTION 8: CONTROL MEASURES**

Respiratory Protection: Not normally required.

Ventilation: Local and mechanical exhaust recommended. Avoid open electrical sources near product vapor areas. Keep containers tightly closed when not in use. Store between 50 degrees and 100 degrees F. Do not reuse empty containers.

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.**