1. CHEMICAL NAME AND COMPANY IDENTIFICATION

Formulated/Manufactured By:	**Tower Products, Inc.** 2703 Freemansburg Avenue Easton, PA 18045
Information Telephone Number:	1-800-527-8626 or 610-253-6206
For Chemical Spill Emergency Call:	**CHEMTREC:** 1-800-424-9300
Product Name:	**MILLENNIUM 1000** (Premium, One-Step Fountain Solution)
CAS Number:	Mixture - Not Established

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable Liquids (Category 4)
Acute Toxicity - Oral (Category 4)
Skin Sensitizer (Category 1)
Skin Irritation (Category 2)
Eye Irritation (Category 2A)

GHS label elements, including hazard and precautionary statements

Pictogram(s)

Signal Word WARNING**!**

Hazard statement(s)
H227: COMBUSTIBLE LIQUID.
H302: HARMFUL IF SWALLOWED.
H317: MAY CAUSE AN ALLERGIC SKIN REACTION.
H315: CAUSES SKIN IRRITATION.
H319: CAUSES SERIOUS EYE IRRITATION.

Precautionary statement(s)
Prevention:
P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES. NO SMOKING.
P270: DO NOT EAT, DRINK, OR SMOKE WHEN USING THIS PRODUCT.
P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPOR/SPRAY.
P280: WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
P264: WASH SKIN THOROUGHLY AFTER HANDLING.
Response:
P370+P378: IN CASE OF FIRE: USE WATER TO EXTINGUISH.
P301+P312: IF SWALLOWED: CALL A POISON CENTER OR DOCTOR IF YOU FEEL UNWELL.
P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER.
P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

Storage:
P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.
Disposal:
P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HMIS Classification
Health Hazard: 1 Flammability: 2 Physical Hazard: 0 Personal Protection: B

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS Number	*Concentration (weight)
2-Butoxyethanol	111-76-2	30-50%
Propylene Glycol	57-55-6	10-30%
Magnesium Nitrate	13446-18-9	1-10%
Sodium Nitrate	7631-99-4	1-10%
Citric Acid	77-92-9	1-10%
Glycerin	56-81-5	1-10%
Proprietary Antimicrobial Blend	XXXXXX	1-10%

* In accordance with paragraph (i) of §1910.1200, specific chemical identities and exact chemical percentages (concentration) of composition have been withheld as a trade secret.

4. FIRST AID MEASURES

Exposure Routes: Inhalation, Ingestion, Skin
Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.
Inhalation: Remove to fresh air. Get immediate medical attention.
Ingestion: Get immediate medical attention. Do not induce vomiting.
Skin Contact: Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water.
Specific Hazards: N/A
Special protective equipment for fire-fighters: Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and protective equipment:
Respiratory Protection: Use supplied air equipment or respirators with proper NIOSH approved cartridges.
Protective Gloves: Impervious or chemical resistant gloves (consult safety equipment supplier).
Eye Protection: Chemical splash goggles recommended against potential eye contact.
Other Protective Clothing and Equipment: Safety shoes and aprons recommended.

Methods for Clean-Up:
Minor Spills: Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.
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 material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.

7. HANDLING AND STORAGE

Handling: Empty containers can be hazardous. Do not reuse containers. Plastic or stainless steel handling and transfer equipment is recommended. Ground fixed equipment. Bond and ground transfer equipment and containers.
Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use. Store between 50° and 100° F. FREEZABLE

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines:

COMPONENT	CAS No.	OSHA PEL/TWA	ACGIH TLV/TWA	ACGIH TLV/STEL	OTHER RATING
2-Butoxyethanol	111-76-2	25ppm(skin)	20ppm(skin)		
Propylene Glycol	57-55-6	N/E	N/E		10mg/m3(WEEL)
Magnesium Nitrate	13446-18-9	N/E	N/E		
Sodium Nitrate	7631-99-4	N/E	N/E		
Citric Acid	77-92-9	N/E	N/E		
Glycerin	56-81-5	10mg/m3	10mg/m3		
Proprietary Antimicrobial Blend	XXXXXX	N/E	N/E		

Significant potential for dermal (skin) absorption.

Exposure Controls: Avoid open electrical sources near product vapor areas.
Personal Protection Equipment:
Eyes: Chemical splash goggles recommended.
Skin and body: Impervious or chemical resistant gloves (consult safety equipment supplier).
Respiratory: Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue Liquid
Odor: Mild ether odor
pH: 3.4
Melting Point: N/A
Boiling Point: 212° F
Flash Point: (Tag Closed Cup Method) 155° F
Flammable Limits:
LEL: N/A
UEL: N/A
Vapor Pressure: (mmHg) < 1.0
Vapor Density: (Air = 1) N/D
Specific Gravity: (Water = 1) 1.04 @ 68° F
Solubility in water: Complete
Maximum VOC Content: 4.79 Lb/Gal (575 Gm/L)
Maximum VOC %: 56%
Odor Threshold: N/A
Evaporation Rate: N/A
Relative Density: N/A
Partition Coefficient: **N-Octano/Water:** N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Incompatible Materials: None.
Hazardous Decomposition Products: None.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs, open flame and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

(ATE) FOR MIXTURE:
Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

Oral LD50:
LD50 Oral - ≥ 1,123mg/kg
Dermal LD50:
LD50 Dermal - ≥ 2,617 mg/kg
Inhalation LC50:
LC50 Inhalation - ≥ 26 mg/l
Other information on Acute Toxicity:
No data available

Routes of exposure: Inhalation, Ingestion, Skin
Acute: Overexposure may lead to skin irritation, eye irritation, and central nervous system depression, leading to headaches, nausea and unconsciousness.
Chronic: Overexposure in high concentrations may produce central nervous system depression, dermatitis and eye irritation.
Signs and Symptoms of Exposure: May lead to dizziness, headaches, dermatitis and eye irritation.
Medical Conditions Aggravated by Exposure: Preexisting eye, skin, liver, kidney, blood, nerve, testes, or respiratory disorders may be aggravated by exposure.
Carcinogenicity (NTP, IARC, OSHA): Components of this product have not shown any evidence of carcinogenicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in the soil: No data available
Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods:
Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

14. TRANSPORTATION INFORMATION

U.S. D.O.T. DESIGNATION	ID NUMBER	HAZARD CLASS	PACKING GROUP
Not Regulated			

U.N. DESIGNATION
Same as D.O.T.

15. REGULATORY INFORMATION

Regulatory Information: This information may be useful in complying with various federal and state regulations:
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: This product contains approximately 42% 2-Butoxyethanol.

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

Notification status:

U.S.A.: Toxic Substances Control Act (TSCA)	Y
Canada: Domestic Substances List (DSL):	Y

16. OTHER INFORMATION

For More Information, Consult Tower Products, Inc.
This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.

Date of Preparation: January 1, 2015