

TowerShine

MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Identification

Trade Name:	TowerShine		
Product Type:	HVAC Cooling Tower System Cleaner		
Manufacturer:	Goodway Technologies, Inc.		
Address:	420 West Avenue Stamford, CT 06902	Product Information: (800) 370-2855	
Emergency Phone:	(800) 424-9300	International Emergency: (703) 527-3887	
Date Prepared:	November 19, 2012		

Section 2: Hazardous Ingredients Identity and Information

Chemical Name:	CAS.NO.	Percent by Weight	OSHA PEL
Ammonium Biflouride	1341-49-7	< 5.0 %	TWA 2.5 mg/m ³

Section 3: HMIS® III Hazard Rating

Health:	0
Flammability	0
Physical Hazard:	0

Section 4: Health Hazard Identification

Routes of Entry:	Eyes, Skin, Ingestion, Inhalation
Eyes:	Moderately irritating to the eyes
Skin:	Non-irritating to the skin
Ingestion:	May cause irritation
Inhalation:	May cause irritation
Potential carcinogen:	No

Section 5: Emergency and First Aid Procedures

Eyes:	Hold eye open and rinse slowly with water for 15-20 minutes. Remove contact lenses. Rinse again. If irritation persists, call a physician.
Skin:	Take off article of clothing if contaminated. Rinse skin with water. Wash contaminated clothing before wearing again.
Ingestion:	Call a physician. Do not induce vomiting. Drink milk or milk of magnesia, or eat calcium pills.
Inhalation:	Move person to fresh air. Call an ambulance if not breathing.

Section 6: Firefighting Measures

Flash Point (TCC):	Not available
Flammability:	Product is not expected to be flammable
Unusual Fire and Explosion Hazards	None known
Means of Extinction:	Use appropriate media to extinguish supporting fire
Special Procedures:	As in any fire fighting procedure, wear self-contained NIOSH approved breathing apparatus and protective clothing

Section 7: Spill or Leak Procedures

Steps to be taken if released or spilled	Flood with water and flush into sewer, or absorb with earth or sand (not lime) and dispose in non-hazardous landfill
Waste Disposal Method:	Dispose of in accordance with Federal, State, and Local Ordinances

Section 8: Handling and Storage Information

Precautions to be taken in handling and Storage:	Do not use without reading directions. Store in original container with lid closed. Keep out of reach of children. Keep away from heat.
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Section 8: Personal Protection Information

Respiratory Protection:	None if ventilation is adequate (use in well ventilated area)
Skin Protection:	Protective gloves (rubber/latex) when using product for extended time
Eye Protection:	Protective eyewear, glasses, goggles, or face shield
Other protective clothing or equipment:	Not needed under normal conditions of use

Section 9: Physical and Chemical Properties

Appearance/Odor:	Clear colorless to clear yellow, mild odor
pH @ 20° C/68° F:	4.75 - 5.25 (full strength)
Vapor Pressure (mmHg):	17.5 mm Hg
Vapor Density (Air=1):	Not available
Boiling Point:	100 ° C/212° F
Freezing/Melting Point:	0° C/32° F (Becomes Cloudy < 40°F)
Specific Gravity (Water=1):	1.00 - 1.05
Evaporation Rate (Water=1):	Not available
Solubility in Water:	Complete

Section 10: Stability and Reactivity Data

Stability:	Stable
Incompatibility (materials to avoid):	Do not mix with any other cleaning agent or household chemicals, including ammonia, acids, alkalis, bleaches or chlorine cleaners
Hazardous Products From Decomposition:	Ammonia, when mixed with an alkaline Hydrogen fluoride, when mixed with an acid or when heated
Hazardous Polymerization:	Will not occur

Section 11: Toxicological Information

LD ₅₀ /LC ₅₀ /EC ₅₀ :	Oral LD ₅₀ >1,900 mg/kg; Dermal LD ₅₀ >2,000 mg/kg; Inhalation LC ₅₀ >201.3 mg/L
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Section 12: Ecological Information

Ecotoxicity:	Not available
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Section 13: Disposal Information

Flush liquid into sewer; or absorb and dispose in non-hazardous landfill. Triple rinse container, then offer for recycling or puncture; or incinerate. If burned, stay out of smoke.
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Section 14: Transportation Information

DOT Shipping Name:	Not Regulated
DOT Hazard Class/ID #/Packing Group:	Not Regulated
DOT Label:	None
US Surface Freight Class:	Not Regulated
Air Transportation:	Not Regulated

Section 15: Regulatory Information

TSCA:	All ingredients are listed in the Toxic Substances Control Act (TSCA) inventory
OSHA:	None
Clean Air Act:	None
State:	None

The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot be sure or guarantee these are the only hazards which exist