

TOWERASSURE A5060**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: TOWERASSURE A5060
Common Name: MIXTURE
SDS Number: 0564
Revision Date: 5/15/2015
Version: 1
Internal ID: 200C
Product Use: Cooling Tower Scale and Corrosion Inhibitor
Supplier Details: U. S. Water Services
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
Email: SDS@uswaterservices.com
Web: www.uswaterservices.com

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
International: +01-813-248-0585

2 HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Acute toxicity, 5 Dermal
Health, Acute toxicity, 5 Inhalation
Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 1 C

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:**GHS Hazard Statements:**

H313 - May be harmful in contact with skin
H333 - May be harmful if inhaled
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.

TOWERASSURE A5060

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P313 - Get medical advice/attention.

Hazards not otherwise classified (HNOC) or not covered by GHS

3 COMPOSITION/INFORMATION ON INGREDIENTS**Ingredients:**

Cas#	%	Chemical Name
2809-21-4	5-10%	Phosphonic acid, (1-Hydroxyethylidene) Bis- (HEDP)
1310-73-2	<2%	Sodium hydroxide
64665-57-2	<2%	1H-Benzotriazole, 4(or 5)-methyl-, sodium salt

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If person has stopped breathing administer artificial respiration. Seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Remove contaminated garments and wash or destroy. Seek medical attention if irritation develops.

Eye Contact: Flush eyes with plenty of running water for at least 15 minutes. Seek medical attention.

Ingestion: If conscious, give plenty of water. Do not induce vomiting. Seek medical attention.

Most important symptoms & effects (acute & delayed): No data available

Indication of need for immediate medical attention: No data available

Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

Flash Point: None

Burning Rate: Not applicable

Autoignition Temp: Not applicable

LEL: Not applicable

UEL: Not applicable

Extinguishing Media:

Suitable: Material will not burn. Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen cyanide, and other potentially hazardous or toxic substances.

Unusual Fire or Explosion Hazards: None known

Special protective equipment/precautions: Wear self-contained breathing apparatus

TOWERASSURE A5060

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations

Environmental Precautions: Keep runoff from entering drains or waterways

Spill/Leak procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Store in closed containers away from temperature extremes and incompatible materials. Protect from freezing. Store in properly labeled containers in accordance with all local, state and federal guidelines.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation as needed to control misting.

Personal Protective Equipment: HMIS PPE, C | Safety Glasses, Gloves, Apron

Respiratory protection: If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits:	Sodium Hydroxide	1H-Benzotriazole, 4(or 5)-methyl-, sodium salt
NIOSH (REL):	2 mg/m ³	2 mg/m ³
OSHA (PEL):	2 mg/m ³	NE

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber

Physical State: Liquid

Odor Threshold: Not determined

Spec Grav./Density: 9.59 lb/gal

Viscosity: Not determined

Boiling Point: Not determined

Partition Coefficient: Not determined

Odor: Acridic

Solubility: Complete in water

Freezing/Melting Pt.: Not determined

Flash Point: None

Vapor Density: Not determined

Auto-Ignition Temp: Not determined

TOWERASSURE A5060

Vapor Pressure:	Not determined	UFL/LFL:	Not determined
pH:	12.7		
Evap. Rate:	Not determined		
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal storage and use conditions.
Conditions to Avoid:	Protect from freezing.
Materials to Avoid:	Strong oxidizing agents, strong acids, strong bases.
Hazardous Decomposition:	None under normal storage and use conditions. See section 5 of SDS.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: No data available
Serious eye damage/irritation: No data available
Respiratory or skin sensitization: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available
Carcinogenicity: No carcinogenic effects are known for the components of this product
Germ Cell Mutagenicity: No mutagenic effects are known for the components of this product
Teratogenicity: No teratogenic effects are known for the components of this product

12 ECOLOGICAL INFORMATION

Aquatic Toxicity No data available
Elimination (persistence & degradability): No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the

TOWERASSURE A5060

distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

UN3267, Corrosive liquid, basic, organic, n.o.s., 8, PGIII, (Sodium Hydroxide, Sodium Tolytriazole)

DOT Transportation data (49 CFR 172.101)

See section 15 of SDS for information on Reportable Quantity chemicals (RQ)

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Phosphonic acid, (1-Hydroxyethylidene) Bis-(HEDP) (2809-21-4) [5-10%] TSCA

RQ(1000LBS), Sodium hydroxide (1310-73-2) [<2%] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

1H-Benzotriazole, 4(or 5)-methyl-, sodium salt (64665-57-2) [<2%] TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

CERCLA = Superfund clean up substance

CSWHS = Clean water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

OSHA WAC = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

EPA / CERCLA / SARA TITLE III:

Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.

SARA 312: Acute

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

RCRA: Corrosive, D002

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory

TOWERASSURE A5060**16****OTHER INFORMATION**

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS		
HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	C

Author: U.S. Water Services**Revision Notes:** Updated to GHS format**Disclaimer:**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). The above information is not claiming characteristics of the product in term of legal claims of performance / guarantee. This information only describes safety measures and no liability may arise from the use or application of the product described herein. This information is given in good faith and based on our current knowledge of the product.