

TOWERPRO 250**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: TOWERPRO 250
Common Name: MIXTURE
SDS Number: 0714
Revision Date: 4/30/2015
Version: 2
Internal ID: 200C
Product Use: Cooling Water Treatment
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
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2 HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Acute toxicity, 4 Oral
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Skin corrosion/irritation, 2
Health, Specific target organ toxicity - Single exposure, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

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

H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H335 - May cause respiratory irritation

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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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

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)

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

Cas#	%	Chemical Name
64665-57-2	5-10%	1H-Benzotriazole, 4(or 5)-methyl-, sodium salt
3794-83-0	1-15%	Phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt
40372-66-5	1-10%	1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt
151006-66-5	10-20%	2-Propenoic acid, telomer with
2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt, sodium		
4-ethenylbenzenesulfonate and sodium hydrogen sulfite, sodium salt		
9003-04-7	15-25%	2-Propenoic acid, homopolymer, sodium salt
10102-40-6	1-20%	Sodium Molybdate Dihydrate

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:

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Suitable: Water, ABC dry chemical

Unsuitable: No information available

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

Unusual Fire or Explosion Hazards: Product will melt and combustion may occur when exposed to fire

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

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:

OSHA (TWA)/PEL): Not Established

ACGIH (TWA/TLV): Not Established

TOWERPRO 250**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Tan to brown	Odor:	Slight characteristic odor
Physical State:	Solid	Solubility:	Complete in water (dissolves slow
Odor Threshold:	Not determined	Softening Point:	120-130F
Spec Grav./Density:	11 lb/gal	Freezing/Melting Pt.:	Not determined
Viscosity:	Not determined	Flash Point:	None
Boiling Point:	Not determined	Vapor Density:	Not determined
Partition Coefficient:	Not determined	Auto-Ignition Temp:	Not determined
Vapor Pressure:	Not determined	UFL/LFL:	Not determined
pH:	8-9 (1% soln.)		
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. Keep container closed when not in use.
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

TOWERPRO 250**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 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

Proper Shipping Name: Non-regulated

DOT Transportation data (49 CFR 172.101)

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

1H-Benzotriazole, 4(or 5)-methyl-, sodium salt (64665-57-2) [5-10%] TSCA

Phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt (3794-83-0) [1-15%] TSCA

1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt (40372-66-5) [1-10%] TSCA

2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt, sodium 4-ethenylbenzenesulfonate and sodium hydrogen sulfite, sodium salt (151006-66-5) [10-20%] TSCA

2-Propenoic acid, homopolymer, sodium salt (9003-04-7) [15-25%] TSCA

Sodium Molybdate Dihydrate (10102-40-6) [1-20%]

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

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

EPA / CERCLA / SARA TITLE III:

CERCLA List: This product does not contain any CERCLA listed hazardous substances.

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

RCRA: No data available

TOWERPRO 250**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:**

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