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**CWT 1307**

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**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** CWT 1307  
**Common Name:** MIXTURE  
**SDS Number:** 0417  
**Product Code:** CT0244  
**Revision Date:** 4/6/2015  
**Version:** 2  
**Internal ID:** 201C  
**Product Use:** Scale & Corrosion Control  
**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 Inhalation  
Health, Acute toxicity, 5 Oral  
Health, Skin corrosion/irritation, 1 C  
Health, Specific target organ toxicity - Single exposure, 3

**GHS Label elements, including precautionary statements**

**GHS Signal Word:** DANGER

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

H333 - May be harmful if inhaled  
H303 - May be harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
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

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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. Seek medical attention.

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
2809-21-4	50-60%	Phosphonic acid, (1-Hydroxyethylidene) Bis-(HEDP)

**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.

**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**

<b>Flammability:</b>	Non flammable
<b>Flash Point:</b>	None
<b>Flash Point Method:</b>	Penskey-Martens Closed Cup
<b>Burning Rate:</b>	No data available
<b>Autoignition Temp:</b>	No data available
<b>LEL:</b>	No data available
<b>UEL:</b>	No data available

**Extinguishing Media:**

**Suitable:** Use extinguishing media suitable for surrounding fire.

**Unsuitable:** No information available

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**Hazardous combustion products:** Hazardous decomposition products formed under fire conditions- Oxides of sulfur

**Unusual Fire or Explosion Hazards:** None known

**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 PP, C | Safety Glasses, Gloves, Apron

Respiratory protection: Not required under normal use conditions. 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

**CWT 1307****9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, colorless to yellow	<b>Odor:</b>	Slight
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Complete (water, MeOH, ethylene glycol)
<b>Odor Threshold:</b>	Not determined	<b>Percent Volatile:</b>	>80% (water)
<b>Particle Size:</b>	No data available	<b>Freezing/Melting Pt.:</b>	<32°F
<b>Spec Grav./Density:</b>	12.01 lb/gal	<b>Flash Point:</b>	None
<b>Viscosity:</b>	Not determined	<b>Octanol:</b>	No data available
<b>Sat. Vap. Conc.:</b>	No data available	<b>Vapor Density:</b>	0.6 - Only water vapor present
<b>Boiling Point:</b>	226°F	<b>Bulk Density:</b>	12.01 lb/gal
<b>Partition Coefficient:</b>	Not determined	<b>Auto-ignition Temp:</b>	Not determined
<b>Vapor Pressure:</b>	17.5 mmHg @ 68°F - Only water vapor	<b>UFL/LFL:</b>	Not determined
<b>pH:</b>	<2.0		
<b>Evap. Rate:</b>	Same as water		
<b>Decomp Temp:</b>	Not determined		

**10 STABILITY AND REACTIVITY**

<b>Stability:</b>	Product is stable under normal storage and use conditions.
<b>Conditions to Avoid:</b>	Avoid temperature extremes. Protect from freezing. Keep container closed when not in use.
<b>Materials to Avoid:</b>	Strong acids, strong oxidizers, some base metals. Releases toxic gases with metal sulfides and sulfites.
<b>Hazardous Decomposition:</b>	Thermal decomposition may produce carbon oxides and oxides of phosphorous.
<b>Hazardous Polymerization:</b>	Will not occur.

**11 TOXICOLOGICAL INFORMATION**

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

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<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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**Aquatic Toxicity**

SPECIES	24 Hr EC50	96 Hr LC50
Pimephelas Promelas	-----	2180 mg/l
Ictalurus punctatus	-----	695 mg/l
Lepomis macrochirus	-----	868 mg/l
Daphnia magna	527 mg/l	
Palaeomonetes pugio	1770 mg/l	

**Elimination** (persistence & degradability): No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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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.

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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UN1760, Corrosive liquids, n.o.s., 8, PGI, (1-Hydroxyethanediphosphonic acid)

DOT Transportation data (49 CFR 172.101)

<b>15</b>	<b>REGULATORY INFORMATION</b>
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**COMPONENT / (CAS/PERC) / CODES**

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 \*Phosphonic acid, (1-Hydroxyethylidene) Bis-(HEDP) (2809214 50-60%)TSCA

**REGULATORY KEY DESCRIPTIONS**

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 TSCA = Toxic Substances Control Act

**EPA / CERCLA / SARA TITLE III:**

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

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**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:** Corrosive, D002

**16****OTHER INFORMATION**

HMIS III: Health = 2, Fire = 0, Physical Hazard = 1

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

**Author:** U.S. Water Services

**Revision Notes:** Updated to GHS format

**Disclaimer:**

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