



CWT-145

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CWT-145
SDS Number: 0145
Revision Date: 5/24/2016
Product Use: Water Treatment Compound
Supplier Details: Alliance Group, Inc. 800-648-7339
N114 W18621 Clinton Drive
Germantown, WI 53022

Contact: CHEMTEL
Phone: 1-800-255-3924

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Environmental, Hazards to the aquatic environment - Chronic, 3
Physical, Corrosive to Metals, 1
Health, Acute toxicity, 4 Inhalation
Health, Acute toxicity, 4 Oral
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
H412 - Harmful to aquatic life with long lasting effects
H290 - May be corrosive to metals
H332 - Harmful if inhaled
H302 - Harmful if swallowed
H402 - Harmful to aquatic life

GHS Precautionary Statements:

P234 - Keep only in original container.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P501 - Dispose of contents/container to an approved waste disposal plant.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Inhalation; Ingestion; Skin.
Target Organs: Respiratory system; Eyes; Skin; Teeth.
Inhalation: Can cause irritation and inflammation of the respiratory tract.
Skin Contact: May cause irritation, tearing and redness.
Eye Contact: CORROSIVE. May cause irritation. May cause permanent eye damage.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

*Substance/Mixture: Mixture

Cas#	%	Chemical Name
68915-31-1	<5%	Polyphosphoric acids, sodium salts
2809-21-4	<5%	Phosphonic acid, (1-Hydroxyethylidene) Bis-(HEDP)
15217-42-2	<5%	1H-Benzotriazole, sodium salt
10124-56-8	<5%	Sodium Hexametaphosphate

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. Give oxygen or artificial respiration if needed. GET IMMEDIATE MEDICAL ATTENTION.

Skin Contact: Promptly flush skin with water for 15 minutes. Remove contaminated clothing immediately. Get immediate medical attention. Do not reuse clothing and shoes until cleaned. Discard leather articles such as shoes and belt. Do not apply oils and ointments unless ordered by a physician.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.

Ingestion: If swallowed: If fully conscious, drink a quart of water . Do NOT induce vomiting. Seek immediate medical attention. If unconscious, take to a hospital or physician. Never induce vomiting or give anything by mouth to an unconscious victim. For spontaneous vomiting, keep head below hips.

5 FIRE FIGHTING MEASURES

Flammability: No data available.
Flash Point: Not available
Flash Point Method: No data available.
Burning Rate: No data available.
Autoignition Temp: No data available.
LEL: No data available.
UEL: No data available.

Fire Fighting Methods

Evacuate area of unprotected personal. Wear protective clothing including NIOSH Approved self- contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire exposed containers and disperse vapors.

Unusual Fire or Explosion Hazards:

No data available.

Extinguishing Media

Suitable: Use water spray, alcohol foam, carbon dioxide, dry chemical for fire extinction.

Unsuitable fire extinguisher: No data available

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate area. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be

avoided.

Spill

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Do not puncture or drop containers.
Do not expose containers to open flame, excessive heat, or direct sunlight.

Storage Requirements: CORROSIVE MATERIAL. Store in cool/dry area. Keep away from sunlight, heat, sparks, and flames. Keep away from incompatible materials. Keep container tightly closed. Do not store in unlabeled or mislabeled containers. Do not freeze. Highly corrosive to most metals with evolution of hydrogen gas.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation. Maintain adequate ventilation.

Personal Protective Equipment: Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Respiratory
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Eyes and Face
Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.
Skin
Prevent contact with this product. Wear gloves and protective clothing depending on conditions of use.
Protective gloves: gauntlet-type, neoprene, nitrile.

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TWA/ TLV</u>
Monosodium Phosphate	No data available.	No data available.
Sodium Hexametaphosphate	No data available.	No data available.
1-Hydroxyethylidene-1,1 Disphosphonic Acid	No data available.	No data available.
Benzotriazole	No data available.	No data available.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, light yellow liquid	Odor:	Mild odor.
Physical State:	Liquid	Molecular Formula:	No data available.
Odor Threshold:	No data available.	Solubility:	Dispersible
Particle Size:	No data available.	Softening Point:	No data available.
Spec Grav./Density:	1.120 @ 25 C	Percent Volatile:	No data available.
Viscosity:	No data available.	Heat Value:	No data available.
Sat. Vap. Conc.:	No data available.	Freezing/Melting Pt.:	No data available.
Boiling Point:	No data available.	Flash Point:	No data available.
Flammability:	No data available.	Octanol:	No data available.
Partition Coefficient:	No data available.	Vapor Density:	No data available.
Vapor Pressure:	No data available.	VOC:	No data available.
pH:	2.8	Bulk Density:	No data available.
Evap. Rate:	No data available.	Auto-ignition Temp:	No data available.
Molecular weight:	No data available.	UFL/LFL:	No data available.
Decomp Temp:	No data available.		

Lower Explosion Limits: No data available.

Upper Explosion Limits: No data available.

Reactivity:	No data available.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Contact with organic material may cause fire and explosions. Contact with water may cause violent reaction with evolution of heat. Avoid freezing.
Materials to Avoid:	Metals. Strong Oxidizing Agents. Strong Bases. Sodium Hypochlorite.
Hazardous Decomposition:	Phosphorus oxides, carbon oxides, acids of phosphorus, sodium oxides, hydrocarbons, acrylate monomers, irritating vapors, nitrogen oxides. Hydrogen cyanide possible in reducing atmospheres.
Hazardous Polymerization:	Will not occur under normal conditions.

Toxicity Data:

Eye Effects: Corrosive- Causes severe eye irritation and burns. May cause: blurred vision, redness, pain, conjunctivitis, ulcerations, tissue destruction, permanent eye damage, blindness.

Skin Effects: Corrosive- Causes severe irritation and burns. Concentrated solutions may cause: severe burns, severe necrosis, permanent skin damage. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin.

Inhalation Effects: Corrosive- Cause severe irritation and burns. Vapors and mists may damage: mucous membranes, respiratory tract. Vapors or mists may cause: coughing, sore throat, shortness of breath, labored breathing, choking, bronchospasms, chemical pneumonitis, pulmonary edema, death. Effects may be delayed. Chronic exposure may cause: dental erosions, discoloration of teeth, bronchitis, and bronchial emphysema.

Ingestion Effects: Corrosive- Causes severe irritation and burns. May cause damage to the: mouth, throat, esophagus, stomach, gastrointestinal tract. May cause: pain, vomiting, diarrhea, bleeding, labored breathing, burns or perforation of the gastrointestinal tract leading to ulceration and secondary infection, and death. Effects may be delayed. Aspiration into the lungs may cause chemical pneumonia and lung damage.

Chronic Effects: No data available.

Carcinogenicity: Benzotriazole- rat-oral- Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Brain and Coverings: Tumors.

Mutagenicity: Benzotriazole- Germ Cell mutagenicity: rat- embryo- morphological transformation.

Teratogenicity: No data available.

Fertility Effects: No data available.

Component	Oral LD50	Dermal LD50	Inhalation LC50
Monosodium Phosphate	No data available.	No data available.	No data available.
Sodium Hexametaphosphate	Rat: 3053 mg/kg	Rabbit: >7940mg/kg	No data available.
Acrylic Polymers	Rat: 1980 mg/kg	No Data	No data available.
Benzotriazole	Rat: 560 mg/kg	Rabbit: >1000mg/kg	1.4 mg/L- 4 hours
1-Hydroxyethylidene- 1,1 Diphosphonic Acid	No data available.	No data available.	No data available.

Acute Toxicity Estimate (ATE):

Inhalation Vapor: No data available.

Inhalation Dust/Mist: No data available.

Biodegradability No data available.

Ecotoxicity Toxicity to fish:

LC50- Rainbow Trout - 1079 mg/L- 96 hr (Acrylic Polymers)

LC50- Lepomis macrochirus (Bluegill) - 22 mg/L- 96 hr (Benzotriazole)

Toxicity to aquatic invertebrates:

EC50- Daphnia magna (Water flea) - 1529 mg/L- 48 hr (Acrylic Polymers)

EC50- Daphnia magna (Water flea) - 91 mg/L- 48 hr (Benzotriazole)

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

13**DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind, or expose empty containers to heat, flame, sparks or other sources of ignition.

14**TRANSPORT INFORMATION**

UN3265, Corrosive liquid, acidic, organic, n.o.s., 8, PGIII, (1-Hydroxyethylidene-1, 1 Disposphonic Acid)

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15**REGULATORY INFORMATION****FEDERAL REGULATIONS**

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category:

Immediate(Acute) Health Hazard: YES

Delayed (Chronic) Health Hazard: NO

Fire Hazard: NO

Sudden Release of Pressure Hazard:NO

Reactive Hazard: NO

SARA Section 302/304/313/HAP:

Component	CERCLA RQ (LBS)	SARA RQ(LBS)	SARA TPQ(LBS)	SARA SEC 313	US EPA HAP
Monosodium Phosphate	No data available.	No data available.	No data available.	NO	NO
Sodium Phosphates	No data available.	No data available.	No data available.	NO	NO
Benzotriazole	No data available.	No data available.	No data available.	NO	NO
1-Hydroxyethylidene-1, 1-diphosphonic acid	No data available.	No data available.	No data available.	NO	NO

STATE REGULATIONS

California- The following components are listed under Prop 65: Arsenic: <1 ppm Mercury:<0.01 ppm

This product may contain a detectable level of chemicals subject to California's Proposition 65.

Wisconsin- The following components are listed as a Wisconsin HAP: None.

16**OTHER INFORMATION**

HMIS III: Health = 3(Chronic), Fire = 0, Physical Hazard = 0

HMIS	
HEALTH <input checked="" type="checkbox"/>	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION <input type="checkbox"/>	

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Prepared By: T Hartmann

Reason for Revision: Update to Section 9

This information is given in good faith and based on our current knowledge of the product.

Disclaimer:

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