

**Safety Data Sheet**  
**CWT-317****1. IDENTIFICATION**

<b>Product name</b>	CWT-317
<b>Description</b>	Proprietary phosphate solution
<b>Product class</b>	Cooling Water
<b>Supplier address</b>	166 Commerce Dr. Stoystown, PA 15563
<b>Telephone numbers</b>	
<u>Company Phone Number</u>	(814) 629-7118
<u>Emergency Telephone</u>	CHEMTREC 800-424-9300

**2. HAZARDS IDENTIFICATION**

<b>Hazard classification</b>	Skin Irritation, Category 2 Eye Irritation, Category 2A Specific Organ Toxicity: Single Exposure, Respiratory, Category 3
<b>Signal word</b>	Warning
<b>Hazard statements</b>	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Pictograms of related hazards****Precautionary statements**Prevention

Wash skin thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection, and face protection.  
Avoid breathing fumes, mist, vapors, or spray.  
Use only outdoors or in a well-ventilated area.

Response

IF ON SKIN: Wash with soap and water.  
If skin irritation occurs: Get medical attention.  
Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately contact a POISON CENTER or health care provider.  
If eye irritation persists: Get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### Storage

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

#### Disposal

Dispose of contents and container in accordance with local, state, and federal regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Tetrapotassium pyrophosphate (TKPP)	7320-34-5	50-60
Non-hazardous substances	Proprietary	>40

### 4. FIRST-AID MEASURES

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. Get medical attention immediately.
<b>Skin contact</b>	Immediately remove all contaminated clothing. Rinse with copious amounts of water; use an emergency shower if available. Wash contaminated clothing before reuse.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. Rinse mouth and get emergency medical attention. Do not give anything by mouth unless instructed to do so by a poison center or health care provider.
<b>Inhalation</b>	If inhaled, move victim to fresh air. Seek emergency medical attention if breathing is difficult; perform artificial respiration if breathing stops.
<b>Note to health care provider</b>	No specific information; treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use extinguishing media appropriate for the surrounding fire.
<b>Unsuitable extinguishing media</b>	No information available
<b>Protective equipment and precautions for firefighters</b>	Stay upwind of the fire. Full protective equipment including self-contained breathing apparatus should be used. Use water to cool closed containers. Contain water runoff if possible.
<b>Specific hazards</b>	Combustion may produce toxic gases.
<b>Hazardous combustion products</b>	Phosphorous oxides

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Evacuate the area of all non-essential personnel. Do not touch spilled material without proper protective equipment. Ventilate the area and mitigate further release if it is safe to do so. Avoid contact with eyes.
-----------------------------	---

**Methods for clean-up**

Small spills

Contain spill and soak up with an inert absorbent material and place residues in a properly labeled container for disposal. Avoid discharge into sewer or surface water.

Large spills

Contain spill using trenches, diking, or absorption with an inert material (i.e. sand or earth). Reclaim spilled material into recovery or salvage drums or tank truck for proper disposal.

**7. HANDLING AND STORAGE**

**Advice on safe handling**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash hands thoroughly after handling.

**Storage conditions**

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use.

**Suitable materials of construction**

No information available

**Unsuitable materials of construction**

No information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eye/face protection**

Chemical splash goggles

**Skin protection**

Chemical-resistant gloves and body-covering clothing

**Respiratory protection**

Observe published airborne exposure limits. NIOSH approved respirator should be used in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

**Engineering controls**

Adequate ventilation, eye-wash station, and emergency shower

**General hygiene considerations**

Do not eat, drink, or smoke while handling this product.

Chemical Name	OSHA PEL	ACGIH TLV
Tetrapotassium pyrophosphate (TKPP)	None established	None established
Non-hazardous substances	None established	None established

**9. PHYSICAL AND CHEMICAL PROPERTIES**

pH	10.0-11.5
Appearance	Clear slightly viscous colorless liquid
Odor	No odor
Odor Threshold	No information available
Melting/freezing point	<-58°F (-50°C)
Initial boiling point/boiling range	>230°F (110°C)
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available

Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
VOC content	No information available
Specific gravity	1.710-1.770
Solubility	64% @ 68°F (20°C)
Partition coefficient n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

**10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	Stable under normal conditions of storage and handling.
<b>Hazardous polymerization</b>	Polymerization will not occur.
<b>Conditions to avoid</b>	Extreme temperatures, incompatibilities
<b>Incompatibilities</b>	Strong acids, strong bases, oxidizers
<b>Hazardous decomposition products</b>	No known non-thermal decomposition hazards.

**11. TOXICOLOGICAL INFORMATION**

**Likely routes of exposure** Skin, eyes, ingestion  
**Acute toxicity**

*Tetrapotassium pyrophosphate (TKPP)*

Parameter	Result
LD <sub>Lo</sub> , Oral (rat)	4640 mg/kg
LD <sub>50</sub> , Dermal (rabbit)	>4,640 mg/kg

**Acute symptoms and effects**

<b>Eye</b>	Eye irritation with or without pain, burning, itching, redness, discharge, and serious eye damage.
<b>Skin</b>	Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches.
<b>Ingestion</b>	Gastrointestinal distress with or without nausea, vomiting, and diarrhea.
<b>Inhalation</b>	Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip.
<b>Reproductive effects</b>	No information available
<b>Teratogenicity</b>	No information available
<b>Mutagenicity</b>	No information available
<b>Embryotoxicity</b>	No information available
<b>Sensitization to product</b>	No information available
<b>Synergistic products</b>	No information available

<b>Carcinogenicity</b>	No components have been identified as carcinogenic by OSHA, NTP, or IARC.
<b>Chronic</b>	No information available

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity

#### *Tetrapotassium pyrophosphate (TKPP)*

Parameter	Result
96 hr LC <sub>50</sub> , Rainbow trout	>100 mg/L
48 hr EC <sub>50</sub> , Daphnia magna	>100 mg/L
96 hr LC <sub>50</sub> , Zebra danio	94 mg/L

<b>Persistence</b>	No information available
<b>Bioaccumulative potential</b>	No information available
<b>Mobility</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal</b>	Dispose of in accordance with federal, state, and local regulations.
<b>RCRA status</b>	Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

## 14. TRANSPORT INFORMATION

### US Department of Transportation (DOT)

<b>UN Number</b>	UN3266
<b>Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s. (contains tetrapotassium pyrophosphate)
<b>Primary hazard class/division</b>	8
<b>Secondary hazard</b>	None
<b>Packing group</b>	III
<b>Label</b>	

## 15. REGULATORY INFORMATION

<b>OSHA Hazard Communication Status</b>	Skin Irritation, Category 2 Eye Irritation, Category 2A Specific Organ Toxicity: Single Exposure, Respiratory, Category 3
<b>EPA Registration Number</b>	Not applicable
<b>TSCA</b>	The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

### CERCLA

#### EPA Hazardous Substances (40 CFR 302)

Chemical Name	Reportable Quantity (RQ)
Tetrapotassium pyrophosphate (TKPP)	None
Non-hazardous substances	None

SARA Title III (Sections 302, 311, 312, and 313)

## Section 302 Extremely Hazardous Substances (40 CFR 355)

Chemical Name	CAS#	RQ	TPQ
None			

## Section 311 and 312 Health and Physical Hazards

Immediate	Delayed	Fire	Pressure	Reactivity
Yes	No	No	No	No

## Section 313 Toxic Chemicals (40 CFR 372)

Chemical Name	CAS Number	Percent by Weight
None		

**16. OTHER INFORMATION**

<b>HMIS Ratings</b>	Health—1; Flammability—0; Reactivity—0
<b>NFPA Ratings</b>	Health—1; Flammability—0; Reactivity—0
<b>HMIS/NFPA Rating Scale</b>	Minimal—0; Slight—1; Moderate—2; Serious—3; Severe—4
<b>SDS Issue Date</b>	3/1/2018
<b>Version</b>	1

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*