



P.O. Box 195, Brownsburg, IN 46112  
 Ph: 317-852-8966  
**Emergency Telephone No: 800-535-5053**

### MATERIAL SAFETY DATA SHEET

#### I. PRODUCT IDENTIFICATION

Product Name or Chemical Name.....**CWT-028**  
 Synonyms .....Cooling Water Treatment  
 Chemical Family .....N/A  
 NFPA – Health Hazard .....2  
     Fire Hazard .....0  
     Reactivity Hazard .....0  
 NFPA Scale .....4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant

#### II. HAZARDOUS INGREDIENTS

Chemical Name(s)	CAS Number	% Wt	TLV-TWA	PEL	SEC.313	Carcinogen?
1-Hydroxyethylidene-1,1-Diphosphoric Acid	2809-21-4	<5	NE	NE	No	No
Aminotrimethylene Phosphoric Acid	6419-19-8	<5	NE	NE	No	No

#### III. SHIPPING DATA

DOT Proper Shipping Name:.....N/A  
 DOT Hazard Class .....N/A  
 DOT Labels Required .....N/A  
 UN/NA ID Number .....N/A  
 Packaging Group .....N/A  
 Non-Bulk Shipping Name .....Compounds, Industrial Process Water Treating, Liquid  
 Bulk Shipping Name .....Same

#### IV. PHYSICAL DATA

Boiling/Freezing Point @760 mmHg .....215°F (102°C)/ND  
 pH .....10-11  
 Vapor Pressure mmHg @20°C .....ND  
 Vapor Density (Air=1) .....>1  
 Percent Volatile by Weight (%).....75  
 Specific Gravity @20°C .....1.17  
 Solubility in Water .....Complete  
 Evaporation Rate .....(Water=1) <1  
 Appearance and Odor .....Yellow to light brown liquid with mild odor.

#### V. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method) .....N/A  
 Autoignition Temperature .....N/A  
 Flammability Limits in Air (% V).....N/A  
 Extinguishing Media .....Not Combustible  
 Special Fire Fighting Procedures .....N/A  
 Unusual Fire & Explosion Hazards.....Cool drums exposed to fire to prevent steam rupture.

#### VI. REACTIVITY DATA

Product Stability.....Stable  
 Conditions to Avoid.....N/A  
 Chemical Incompatibility.....Strong alkali, strong oxidizers.  
 Hazardous Decomposition Products .....Carbon monoxide, carbon dioxide upon burning after water loss.  
 Hazardous Polymerization.....Will not occur



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VII. HEALTH HAZARD DATA

Skin Contact .....May cause irritation upon extended contact.  
 Eye Contact .....May be irritating and destructive to eye tissue on contact.  
 Inhalation .....Mists may irritate and damage upper respiratory tract and lung tissue proper.  
 Ingestion .....May cause irritation of the mouth, throat, esophagus and stomach.

VIII. EMERGENCY AND FIRST AID PROCEDURES

Skin.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.  
 Eyes.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.  
 Ingestion .....If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.  
 Inhalation .....Move to fresh air. Aid in breathing, if necessary, and get medical attention.

IX. ENVIRONMENTAL DATA

Spill or Leak Procedures ..... Avoid skin contact. Neutralize with appropriate material and flush with large amounts of water to sanitary sewer.  
 Waste Disposal..... Dispose of in accordance with all federal, state and local regulations.  
 Hazardous Water 40CFR261..No  
 Container Disposal ..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

X. SPECIAL PROTECTION INFORMATION

Respiratory Protection ..... Respirator not required with most applications.  
 Ventilation..... Local exhaust is generally sufficient to minimize exposure.  
 Protective Clothing ..... Neoprene gloves, apron, boots – as necessary to prevent skin contact.  
 Eye Protection ..... Chemical goggles.  
 Other Precautions..... Safety shower and eyewash fountains should be easily accessible.

XI. SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.

N/A = Not Available  
 ND = Not Determined  
 NE = Not Established

Issue Date: 2/09  
 Revised Date: 7/06