



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-029**
 Synonyms.....Cooling Water Treatment
 Chemical Family.....Alkali
 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

<u>Chemical Name(s)</u>	<u>CAS Number</u>	<u>% Wt</u>	<u>PEL</u>	<u>TLV</u>
Sodium Hydroxide	1310-73-2	>1.0	2.0 mg/m ³	NE
Maleic Anhydride, Polymer w/ Ethyl Acrylate & Vinyl Acetate, Hydrolyzed	113221-69-5	>1.0	0.25 ppm	NE
Hydroxyphosphono-Acetate	--	>1.0	NE	NE

III. SHIPPING DATA

DOT Proper Shipping Name:.....Compounds, Liquid Corrosive, N.O.S. (Sodium Hydroxide)
 DOT Hazard Class.....8
 DOT Labels Required.....Corrosive
 UN/NA ID Number.....UN 1760
 Packaging Group.....II
 Non-Bulk Shipping Name.....Compounds, Liquid Corrosive, N.O.S. (Sodium Hydroxide), 8, UN 1760, PG II
 Bulk Shipping Name.....Same

IV. PHYSICAL DATA

Boiling/Freezing Point @760 mmHg.....215°F (102°C)/ND
 pH.....10-11
 Specific Gravity @20°C.....1.28
 Solubility in Water.....Complete
 Appearance and Odor.....Clear dark 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.....Water spray, carbon dioxide, dry chemical.
 Special Fire Fighting Procedures.....N/A
 Unusual Fire & Explosion Hazards.....Contact with some metals particularly magnesium, aluminum, and zinc (galvanized) can rapidly generate hydrogen, which is explosive.

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 ContactCorrosive action causes burns and deep ulceration with subsequent scarring. Prolonged contact destroys tissue. Dust or mist from solutions can cause irritant dermatitis.
- Eye ContactMay be irritating and destructive to eye tissue on contact.
- InhalationMists may irritate and damage upper respiratory tract and lung tissue proper.
- IngestionMay 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.
- IngestionIf swallowed, DO NOT INDUCE VOMITING. Drink large quantities of water or acidic beverages (tomato or orange juice, carbonated soft drinks). Get medical attention immediately. Never give anything by mouth to an unconscious person.
- InhalationMove 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: 9/12