



# CW-8800-RTC

## SAFETY DATA SHEET

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### SECTION 1: Identification

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**Product:** CW-8800-RTC

**Recommended Use and Restrictions on Use:** Cooling Tower Treatment

**Source:** Industrial Water Engineering, Inc.  
8701 Alameda Park Drive NE  
Albuquerque, NM 87113

**Emergency Phone:** CHEMTREC 1 (800) 424-9300  
**Office Phone:** (505) 345-5055/ (800) 543-6519  
**Website:** [www.IndustrialWaterEngineering.com](http://www.IndustrialWaterEngineering.com)

### SECTION 2: Hazard(s) Identification

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**Emergency Overview:** Pungent amber liquid.

**Classification 29 CFR 1910.1200:** Product is hazardous by OSHA criteria.

**Skin Sensitizer:** 1

**Skin Irritant:** 2

**Eye Irritant:** 2

**Signal Word:** WARNING

**Hazard Statement(s):** Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

**Pictograms****Precautionary Statements:**

Wear protective gloves/protective clothing/eye protection/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Immediately, call a doctor.

If on skin (or hair): Immediately, take off all contaminated clothing. Rinse skin with water. Use safety shower if available. Immediately, call a doctor. Wash contaminated clothing before reuse.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately, call a poison control center or doctor.

**Hazards Not Otherwise Classified:** Not known.

**Ingredients with Unknown Toxicity:** None.

**Potential Environmental Effects:** Not known.

### SECTION 3: Composition/Information on Ingredients

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Confidential Business Information has been removed without affecting the overall safety information on the Safety Data Sheet

### SECTION 4: First-Aid Measures

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**Eyes:** If in eyes: Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

**Skin:** If on skin (or hair): Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**Inhalation:** If inhaled: Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.



<b>Ingestion:</b>	If swallowed: Rinse mouth thoroughly. Do NOT induce vomiting. Immediately, call a poison control center or doctor.
<b>Acute Symptoms:</b>	Irritating to respiratory system. High concentrations of vapors may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Coughing, burning behind the sternum, tears and burning in the eyes and nose can occur. May cause chemical burns in mouth and throat. Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and discolor skin. Extreme irritation of eyes and mucous membranes, including burning and tearing. Conjunctivitis may cause damage to cornea.
<b>Delayed Effects:</b>	None known.
<b>Immediate or Special Treatment Requirements:</b>	After contact with product, immediately flush eyes and/or skin with water for 15 minutes. If safety shower or eye wash is plumbed to cold water, it may be necessary to move victim to a locker room shower or elsewhere to obtain a lukewarm water source before the 15 minute flush is complete. After the 15 minute flush, seek medical treatment.
<b>Notes to Physician:</b>	Treat Symptomatically.

## SECTION 5: Fire Fighting Measures

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<b>Auto Ignition Temperature (°C):</b>	Not applicable
<b>Flammability Limit- Lower (%):</b>	Not applicable
<b>Flammability Limit-Upper (%):</b>	Not applicable
<b>Flash point (°C):</b>	Not applicable
<b>Extinguishing Media:</b>	This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, foam, dry powder or carbon dioxide.
<b>Hazardous Combustion Products:</b>	May liberate carbon dioxide, carbon monoxide, oxides of nitrogen.
<b>Unusual Fire &amp; Explosion Hazards:</b>	Closed containers may explode due to the buildup of pressure when exposed to extreme heat. Irritating vapors may be emitted during fire. Vapors are heavier than air and may travel to distant ignition sources and flash back
<b>Special Fire Fighting Procedures:</b>	Water spray should be used to cool containers.
<b>Protective Equipment for Fire-Fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.



## SECTION 6: Accidental Release Measures

**Personal Precautions, PPE, & Emergency Procedures:** Wear protective clothing as described in Section 8 of this material safety data sheet. Avoid inhalation of vapors and contact with skin and eyes.

**Containment & Clean-Up:** Do not allow environmental contamination. Dispose of in accordance with state, local and federal regulations. Do not touch spilled material! Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Use DOT-approved waste containers. Comply with all applicable governmental regulations on spill reporting, handling, and disposal of waste.

## SECTION 7: Handling and Storage

**Precautions for Safe Handling:** An eyewash station and safety shower should be nearby and ready for use. Avoid contact with skin and eyes and also incompatible reactive metals such as aluminum. Wash exposed skin immediately with copious quantities of water.

**Conditions for Safe Storage:** Store in a cool, dry, and well-ventilated place away from incompatible materials. Vent containers frequently, and more often in warm weather to relieve pressure. Keep container tightly closed when not in use. Do not get in eyes, on skin, or on clothing.

## SECTION 8: Exposure Controls/Personal Protection

COMPONENT	STD	TWA (8-hrs)	STEL (15 min)	Notes
None				

C = Ceiling limit, the concentration shall not be exceeded during any part of the working exposure.

NOTE: OSHA - Occupational Safety and Health Administration; ACGIH - American Conference of Governmental Industrial Hygienists; NIOSH – National Institute for Occupational Safety and Health; PEL – Permissible Exposure Limit; TWA – Time Weighted Average; TLV – Threshold Limit Value; REL – Recommended Exposure Limit; STEL – Short Term Exposure Limit; IDLH - Immediately Dangerous to Life or Health.

**Engineering Controls:** Provide eyewash and quick drench. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

**Individual Protection/PPE:** Respiration: Wear a NIOSH/MSA or European EN-149-approved respirator if conditions generate vapors or mists.  
Hand Protection: Wear Chemical Resistant Gloves. Rubber, neoprene or PVC.  
Eye Protection: Wear approved safety goggles. Contact lenses should not be worn when working with this chemical!  
Other Protection: Provide eyewash station and safety shower. Long sleeved shirt, trousers, rubber boots, rubber gloves, and rubber apron.

## SECTION 9: Physical and Chemical Properties

<b>Appearance (physical state, color, etc.):</b>	Pungent amber liquid
<b>Odor threshold:</b>	Not Known
<b>pH:</b>	2.5-3.5
<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	212°F (100°C)
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	1
<b>Evaporation factor:</b>	Not determined
<b>Flammability limit- lower (%):</b>	Not applicable
<b>Flammability limit- upper (%):</b>	Not applicable.
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	1.0
<b>Specific Gravity</b>	1.07-1.10
<b>Solubility(ies):</b>	Completely solubility in water
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	None, not flammable
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Explosive Properties:</b>	Not determined
<b>Oxidizing Properties:</b>	None

## SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Reacts with oxidizing materials.
<b>Chemical stability:</b>	Stable at ambient temperatures and pressures.
<b>Possibility of Hazardous Reactions:</b>	Reacts with oxidizing materials.
<b>Conditions to Avoid:</b>	Avoid contact with strong oxidizers.
<b>Hazardous Decomposition Products:</b>	May liberate carbon dioxide, carbon monoxide, oxides of nitrogen.

## SECTION 11: Toxicological Information

<b>Likely Routes of Exposure:</b>	Skin or eye contact.
<b>Symptoms Related to Physical, Chemical, and Toxicological Characteristics:</b>	Product is corrosive to eyes, skin, mucous membranes, and other tissues. Contact will irritate or burn eyes and skin. None known.
<b>Delayed Effects:</b>	
<b>Immediate Effects:</b>	Irritation or burns to eyes, skin, or other tissues. Gastrointestinal irritation or burns and nausea if ingested. Anaphylactic shock possible by sensitive individuals.



**Chronic Effects:** None known.

**Numerical Measures of Toxicity:** No toxicology available on the formulated product.

**Carcinogenicity:** No ingredients listed on NTP, IARC, or OSHA.

## SECTION 12: Ecological Information

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**Ecotoxicity:** There is no data on the ecotoxicity of this product.

**Persistence and Degradability:** Not known.

**Bioaccumulative Potential:** The product contains potentially bio-accumulating substances.

**Mobility in Soil:** Not known.

**Results of PBT and vPvB assessment:** This product does not contain any PBT or vPvB substances.

**Other Adverse Effects:** Not known.

## SECTION 13: Disposal Considerations

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**Waste Management:** When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**Disposal Methods:** Dispose of contaminated product and material used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state, and local regulatory agencies to determine proper disposal procedures.

## SECTION 14: Transport Information

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**General:** This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

**Transport Labels:** No transport warning sign required.

**Environmentally Hazardous Substance/Marine Pollutant:** No.



**Transport in Bulk according to Annex II of MARPOL 73/78 and IBC Code Notes:** Not applicable.

## SECTION 15: Regulatory Information

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### US Federal Regulations:

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities	The following ingredients are listed.
CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)	The following ingredients are listed.
SARA Extremely Hazardous Substances EPCRA Reportable Quantities	The following ingredients are listed.
SARA 313 Emission Reporting	The following ingredients are listed.
CAA Accidental Release Prevention	The following ingredients are listed.
SARA (311/312) Hazard Categories Acute OSHA Highly Hazardous Chemicals	None of the ingredients are listed.
FDA Essential Chemical	None of the ingredients are listed.
FDA-Precursor Chemical	None of the ingredients are listed.

### US State Regulations:

California Proposition 65 Carcinogens and Reproductive Toxins	None of the ingredients are listed.
California Air Toxics " Hot Spots" (A-I)	The following ingredients are listed.
California Air Toxics " Hot Spots" (A-II)	None of the ingredients are listed.
Massachusetts "Right to Know" List	The following ingredients are listed.
Rhode Island "Right To Know" List	The following ingredients are listed.
Minnesota "Right To Know" List	The following ingredients are listed.
New Jersey "Right To Know" List	The following ingredients are listed.
Pennsylvania "Right To Know" List	The following ingredients are listed.
EU - EINECS/ELINCS	The following ingredients are listed.
Canada – DSL/NDSL	The following ingredients are listed.
US - TSCA	The following ingredients are listed.
Australia - AICS	All ingredients are either listed or exempt.
Japan – MITI	All ingredients are either listed or exempt.



Korea - KECI

The following ingredients are listed.

China - IECSC

All ingredients are either listed or exempt.

Philippines – PICCS

All ingredients are either listed or exempt.



## SECTION 16: Other Information

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Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	B

Revision Date 2/27/2021

Revision 5

### Disclaimer

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