

# MATERIAL SAFETY DATA SHEET

CT-556

**PRODUCT NAME:** CT-556  
**MSDS NUMBER:** 081012CT556  
**EMERGENCY PHONE #S:** 800-255-3924 (CHEMTEL)

**PAGE NUMBER:** 1 OF 4  
**PRODUCT CODE:** Cooling Water Treatment  
**MSDS DATE:** 08/10/2012



**Advanced Chemical Technology, Inc.**  
 8728 Utica Avenue, Rancho Cucamonga, CA 91730 USA  
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<b>HEALTH</b>	<b>1 Slightly Hazardous</b>
<b>FLAMMABILITY</b>	<b>0 Will Not Burn</b>
<b>REACTIVITY</b>	<b>0 Stable</b>
<b>Personal Protection</b>	<b>C</b>

## 1. IDENTIFICATION

**Chemical Name:** CT-556  
**Chemical Family:** Cooling Water Treatment  
**DOT Information:** Non-Regulated

## 2. PHYSICAL DATA

<b>Appearance:</b> Dark Brown Liquid	<b>Vapor Pressure:</b> 23.756 mm Hg
<b>Odor Characteristics:</b> Bland	<b>Boiling Point:</b> >212 F
<b>pH:</b> 2.4	<b>Freezing Point:</b> ND
<b>Viscosity:</b> ND	<b>Evaporation Rate (Water = 1):</b> 1
<b>Specific Gravity (Water = 1):</b> 1.124	<b>Solubility in Water:</b> Soluble
<b>Vapor Density (Air = 1):</b> 0.62 @ 68 F	

## 3. INGREDIENTS - HAZARDOUS

Components	CAS No.	OSHA PEL	ACGIH TLV	Approx %
Phosphonobutane – tricarboxylic acid	37971-36-1	NE	NE	4
Hydroxyethylidene diphosphonic acid	2809-21-4	NE	NE	5
Benzotriazole	95-14-7	NE	NE	<5
Sodium molybdate	7631-95-0	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	<2

## 4. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** NA  
**Flammable Limits in Air % by volume:** Lower NA Upper NA  
**Extinguishing Media:** Water spray, foam, carbon dioxide or dry chemical for fires in storage areas  
**Special Fire Fighting Procedures:** Keep container cool with water spray. Fire Fighters should wear self-contained breathing apparatus and full protective clothing  
**Unusual Fire & Explosion Hazards:** Dried residue can thermally decompose, giving off irritating and potentially toxic fumes

## 5. HEALTH HAZARD DATA

### Effects of Overexposure:

**Inhalation:** May cause irritation of upper respiratory passages  
**Skin Contact:** Causes skin irritation. May cause a more serious response if confined to the skin or if the skin is abraded. A single prolonged exposure is unlikely to result in harmful quantities being absorbed  
**Eye Contact:** Can cause irritation to eye and surrounding tissue  
**Ingestion:** Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps, and diarrhea.  
**Delayed Effects:** None Known  
**Medical Conditions Aggravated by Exposure:** None



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## 6. FIRST AID MEASURES

**Inhalation:** If breathing stops, give artificial respiration. Call a physician immediately.

**Skin Contact:** Immediately remove clothing under a safety shower. Flush all affected areas with large amounts of water for at least 15 minutes.

**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Obtain medical attention immediately.

**Ingestion:** Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. (If available, give several glasses of milk.) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

**Notes to Physician:** None

## 7. REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Strong oxidizers, halogen compounds

**Hazardous Combustion or Decomposition Products:** Carbon monoxide, carbon dioxide, ammonia, and oxides of nitrogen

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** Do not mix with other industrial chemicals

## 8. SPILL OR LEAK PROCEDURES

**Personal Precautions:** Wear boots, goggles, gloves, protective clothing

**Environmental Precautions:** Keep out of sewers, drains, surface waters, and soil

**Method for Cleanup:** For small spills mop or wipe up. For large spills, contain by diking with soil or other absorbent material

## 9. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** NIOSH approved respirator in the absence of adequate environmental controls at the point of use

**Eye Protection:** Chemical goggles and face shield

**Skin Protection:** Rubber gloves

**Other Clothing:** None

**Other Equipment:** Eye wash station and safety shower

**Engineering Controls:** Normal



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## 10. HANDLING AND STORAGE

**Special Precautions:** Keep from freezing. Rinse container before disposal

## 11. REGULATORY INFORMATION

**RCRA Status:** Not Regulated

**CERCLA Status:** Not Applicable

**SARA/Title III – Section 302 Emergency Planning Notification/Threshold Planning Quantities**

This product does not contain a Section 302 substance subject to Emergency Planning Notification/Threshold Planning Quantities

**SARA/Title III – Section 304 Emergency notification reporting.**

This product does not contain a Section 304 listed hazardous substance for emergency release notification

**SARA/Title III – Section 311/312 Hazardous Categories**

Acute

**SARA/Title III – Section 313 Toxic chemical release reporting**

This product does not contain a Section 313 listed toxic chemical subject to release reporting requirements

**TSCA Inventory Status**

All chemical components are listed on TSCA Inventory.

**California Proposition 65 Status**

This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins

## 12. TOXICOLOGICAL INFORMATION

**Acute Data:** NE

**Reproductive / Teratology Data** NE

## 13. ECOLOGICAL INFORMATION

**Fate in the Environment:** Ingredients will slowly degrade in the presence of sunlight and oxygen

## 14. DISPOSAL CONDITIONS

**Procedures:** Dispose of all waste according to Federal, State, and Local regulations

## 15. TRANSPORTATION INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation

**US DOT** Non-Regulated

