

# MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: CT-516

MSDS NUMBER: 1211901CT516

PRODUCT CODE: COOLING WATER TREATMENT

MSDS DATE: 12/19/01

KEY NUMBER: CT-516

EMERGENCY PHONE #'s: 800-255-3924 (CHEMTEL)



## Advanced Chemical Technology, Inc.

10743 Edison Court • Rancho Cucamonga, CA 91730 USA

Ph: 1-800-527-9607 / Fax: 1-909-980-9366

Web: <http://www.actglobal.net> Email: [act@actglobal.net](mailto:act@actglobal.net)

<b>HEALTH</b>	<b>1</b>	Slightly Hazardous
<b>FIRE</b>	<b>0</b>	Will Not Burn
<b>REACTIVITY</b>	<b>0</b>	Stable
<b>SPECIFIC</b>		-

### 1. IDENTIFICATION See Addendum:      Ref. PAGE:

**Chemical Name:** CT-516

**Chemical Family:** COOLING WATER TREATMENT

**CAS #:** MIXTURE

**Chemical Formula:** MIXTURE

**CAS Name:** MIXTURE

**Molecular Weight:** MIXTURE

**Synonyms / Common Name:** COOLING WATER TREATMENT

**DOT Information:** DOT Non-Regulated water treatment liquid compound

### 2. PHYSICAL DATA See Addendum:      Ref. PAGE:

**Appearance:** Amber liquid

**Color:** Amber

**State:** Liquid

**Odor Characteristics:** Bland

**pH:** 11.8

**Viscosity:** ND

**Specific Gravity (Water = 1):** 1.1120

**Vapor Density (Air = 1):** ND

**Vapor Pressure:** ND

**Melting Point:** NA

**Boiling Point:** > 212 F

**Flash Point:** NA

**Freezing Point:** ND

**Percent Volatility:** ND

**Evaporation Rate (BAc = 1):** < 1

**Solubility in Water:** MISCIBLE

**Solubility in Oil:** ND

**Solubility in Acetone:** ND

### 3. INGREDIENTS - HAZARDOUS See Addendum:      Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Sodium Hydroxide	1310-07-32	Sodium Hydroxide	2 mg/ M3 for 15 minutes	Proprietary

### 4. FIRE AND EXPLOSION HAZARD DATA See Addendum:      Ref. PAGE:

**Flash Point:** NA

**Flammable Limits in Air % by volume:** Lower NA  
Upper NA

**Extinguishing Media:** Water spray, foam, carbon dioxide, dry chemical

**Special Fire Fighting Procedures:** NONE

**Unusual Fire & Explosion Hazards:** NONE

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**5. HEALTH HAZARD DATA** See Addendum:

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**Threshold Limit Value:** Sodium Hydroxide 2 mg/M3 for 15 minutes**Effects of Overexposure:****Inhalation:** May cause irritation of upper respiratory passages.**Skin Contact:** A marked corrosive action on contact with skin. May cause a more serious response if confined to the skin or if the skin is abraded. A single prolonged exposure is not likely to result in harmful quantities being absorbed.**Eye Contact:** A marked corrosive action on contact with eyes.**Ingestion:** Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps, and diarrhea, and perhaps unconsciousness, or death.**Delayed Effects:** Prolonged contact may cause severe burns.**Medical Conditions Aggravated by Exposure** None**6. FIRST AID MEASURES** See Addendum:

PAGE #:

**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:** Do not induce vomiting. If conscious, immediately give large quantities of water. Call a physician or the nearest Poison Control Center immediately.**NOTES TO PHYSICIAN:** None.**7. REACTIVITY DATA** See Addendum:

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**Stability:** Stable**Incompatibility:** Acids, oxidizing materials, halogen compounds, copper, aluminum, and zinc  
(materials to avoid)**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** See Addendum:

PAGE #:

**Actions to take for Leaks & Spills** For small spills mop or wipe up. For large spills, contain by diking with soil or other absorbent material. Keep out of sewers, drains, surface waters, and soil.**Waste Disposal Method:** Dilute acid (preferably acetic acid) may be used to neutralize the final traces immediately after flushing. Use D.O.T. approved containers for waste disposal. Dispose of all waste according to Federal, State, and Local regulations.



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**9. SPECIAL PROTECTION INFORMATION**

See Addendum:

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**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:** Rubber apron and protective clothes.

**Other Equipment:** None

**Engineering Controls:** Normal

**10. HANDLING AND STORAGE**

See Addendum:

Ref. PAGE:

**Special Precautions:** Do not get in eyes, on skin, or on clothing.

**Other Precautions:** An eyewash and safety shower should be nearby and ready for use.

**11. REGULATORY INFORMATION**

See Addendum:

Ref. PAGE:

**Workplace Classification:** NA

**12. TOXICOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Acute Data:** May cause local irritation from exposure.

**Reproductive /  
Teratology Data** NE

**13. ECOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Fate in the Environment:** NE

**14. DISPOSAL CONDITIONS**

See Addendum:

Ref. PAGE:

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

**15. TRANSPORTATION INFORMATION**

See Addendum:

Ref. PAGE:

**DOT Classification:** DOT Non-Regulated  
Water Treatment Compound

**Warning Labels:** NONE



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**ADDENDUM for Section - Other Information**

NA = NOT APPLICABLE  
ND = NOT DETERMINED  
NE = NOT ESTABLISHED

**ADDENDUM for Section - Other Information**

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Advanced Chemical Technology makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, Advanced Chemical Technology will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied or merchantability fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

**ADDENDUM for Section -**