

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: CT-531

MSDS NUMBER: 031502CT531

PRODUCT CODE: COOLING WATER TREATMENT

MSDS DATE: 3/15/02

KEY NUMBER: CT-531

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

HEALTH	1	Slightly Hazardous
FIRE	0	Will Not Burn
REACTIVITY	0	Stable
SPECIFIC		-

1. IDENTIFICATION

See Addendum: Ref. PAGE:

Chemical Name: CT-531

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: Yellow Liquid

Color: Yellow

State: Liquid

Odor Characteristics: Acrid

pH: 7.52

Viscosity: ND

Specific Gravity (Water = 1): 1.075

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
Sodium Tolytriazole	64665-57-2	Sodium Tolytriazole	not established	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:

PAGE #:

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:

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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

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ADDENDUM for Section -