

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: ACT CT-523

MSDS NUMBER: 081498C523

MSDS DATE: 8/14/98

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

PRODUCT CODE: Cooling Water Dispersant

KEY NUMBER: CT-523



Advanced Chemical Technology LLC

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

1. IDENTIFICATION

See Addendum: Ref. PAGE:

Chemical Name: ACT CT-523

Chemical Family: Mixture

CAS #: NA

CAS Name: NA

Synonyms / Common Name: Cooling Water Treatment

DOT Information: Corrosive

Chemical Formula: Mixture

Molecular Weight: Mixture

2. PHYSICAL DATA

See Addendum: Ref. PAGE:

Appearance: Clear yellow liquid, acrid odor

Color: Yellow

State: Liquid

Odor Characteristics: Acrid

pH:

Viscosity:

Specific Gravity (Water = 1): 1.096

Vapor Density (Air = 1): ND

Vapor Pressure: ND

Melting Point: ND

Boiling Point: >212

Flash Point: ND

Freezing Point: ND

Percent Volatility: ND

Evaporation Rate (BAC = 1): <1

Solubility in Water: Soluble

Solubility in Oil: ND

Solubility in Acetone: ND

3. INGREDIENTS

See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Sodium Hydroxide	1310732		2 mg/M3 for 15 minutes	
Sodium Tolytriazole	64665-57-2		Not Established	

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum: Ref. PAGE:

Flash Point: NA

Flammable Limits Lower NA
in Air % by volume: 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: 2mg/M3 for 15 minutes
Sodium Tolytriazole: Not Established**Effects of Overexposure:****Inhalation:** Mist may cause damage to the upper respiratory and even to the lung tissue proper**Skin Contact:** A marked corrosive action on contact with skin**Eye Contact:** A marked corrosive action on contact with eyes**Ingestion:** Results in severe burning and injury**Delayed Effects:** No Specific Information Available**Medical Conditions Aggravated by Exposure:** No Specific Information Available**6. FIRST AID MEASURES** See Addendum:

PAGE #:

Inhalation: If breathing stops, give artificial respiration. Call a physician immediately**Skin Contact:** Immediately wash skin with lots of soap and water. Remove contaminated clothing and shoes; wash before reuse.**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Obtain medical attention immediately**Ingestion:** Immediately give 2 to 6 glasses of water and induce vomiting. Continue until vomited fluid is clear. Get prompt medical attention.**NOTES TO PHYSICIAN:** NA**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:** NONE**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 NOTE: DISPOSE OF ALL WASTES IN ACCORDANCE WITH 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, apron, and protective clothing

Other Clothing: NA

Other Equipment: NA

Engineering Controls: NA

10. HANDLING AND STORAGE

See Addendum:

Ref. PAGE:

Special Precautions: NONE

Other Precautions:

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 No specific information available

13. ECOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Fate in the Environment: No specific information available

14. DISPOSAL CONDITIONS

See Addendum:

Ref. PAGE:

Procedures: Dispose of all wastes in accordance with federal, state, and local regulations.

15. TRANSPORTATION INFORMATION

See Addendum:

Ref. PAGE:

DOT Classification: Caustic alkali liquid, N.O.S., 8,
UN 1790, PG II
(sodium hydroxide, liquid)

Warning Labels: Corrosive



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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, LLC 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, LLC 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 - Other Information

NE=Not established
NA=Not applicable
ND=Not determined

ADDENDUM for Section -