

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: CT 501

MSDS NUMBER: 41902DS50

PRODUCT CODE: COOLING WATER DISPERSANT

MSDS DATE: 4/19/02

KEY NUMBER: CT 501

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	0 Normal Material
FIRE	3 Flash Point: Below 100°F,38°C
REACTIVITY	0 Stable
SPECIFIC	-

1. IDENTIFICATION

See Addendum: Ref. PAGE:

Chemical Name: CT 501

Chemical Family: COOLING WATER DISPERSANT

CAS #: MIXTURE

Chemical Formula: MIXTURE

CAS Name: MIXTURE

Molecular Weight: MIXTURE

Synonyms / Common Name: COOLING WATER DISPERSANT FOR OIL

DOT Information: FLAMMABLE LIQUID

2. PHYSICAL DATA

See Addendum: Ref. PAGE:

Appearance: Clear Liquid

Color: Colorless

State: Liquid

Odor Characteristics: Alcohol Odor

pH: ND

Viscosity: ND

Specific Gravity (Water = 1): 0.979

Vapor Density (Air = 1): 2.07

Vapor Pressure: 33 mm Hg

Melting Point: NA

Boiling Point: 180 F

Flash Point: 63 F TOC

Freezing Point: ND

Percent Volatility: ND

Evaporation Rate (BAc = 1): 2.88

Solubility in Water: Soluble

Solubility in Oil: ND

Solubility in Acetone: ND

3. INGREDIENTS - HAZARDOUS

See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Isopropyl Alcohol	67-63-0	Isopropyl Alcohol	400 ppm	20
Ethyl Alcohol	64-17-5	Ethyl Alcohol	1000 ppm	5

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum: Ref. PAGE:

Flash Point: 63 F TOC

Flammable Limits in Air % by volume: Lower 2.0 Upper 12.7

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

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Unusual Fire & Explosion Hazards: Extinguish all nearby sources of ignition because vapors may be moved by air currents to an ignition source distant from the handling point. Irritating vapors may be emitted during a fire.

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5. HEALTH HAZARD DATA See Addendum:

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Threshold Limit Value: 400 ppm for Isopropy Alcohol, 1000 ppm for Ethyl Alcohol.**Effects of Overexposure:****Inhalation:** May cause irritation of upper respiratory passages, headaches, and vomiting. Concentrations above the TLV may result in headaches and drowsiness.**Skin Contact:** Prolonged and repeated liquid contact may cause defatting and drying of the skin which may result in skin irritation and dermatitis.**Eye Contact:** Irritation and possible eye damage.**Ingestion:** Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps, and diarrhea, and perhaps unconsciousness, or death.**Delayed Effects:** Toxic if sufficient quantities ingested.**Medical Conditions Aggravated by Exposure** Persons with pre-existing skin disorders, eye problems, or impaired respiratory functions, may be more susceptible to the effects of this substance.**6. FIRST AID MEASURES** See Addendum:

PAGE #:

Inhalation: If breathing stops, give artificial respiration. Call a physician immediately.**Skin Contact:** Immediately wash skin with soap and water for 15 minutes. Remove contaminated clothing and shoes; wash before reusing. Get medical attention if irritation persists after washing.**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Obtain medical attention immediately.**Ingestion:** If conscious, immediately give 2 to 6 glasses of water and induce vomiting. Continue until vomit fluid is clear. Call a physician or the nearest Poison Control Center immediately.**NOTES TO PHYSICIAN:** None.**7. REACTIVITY DATA** See Addendum:

PAGE #:

Stability: Stable**Incompatibility:** Strong oxidizing agents, strong acids and caustics.
(materials to avoid)**Hazardous Combustion or Decomposition Products** Carbon monoxide, carbon dioxide.**Hazardous Polymerization:** Will not occur.**Conditions to Avoid:** Heat, sparks and open flame. Do not mix with other industrial chemicals.**8. SPILL OR LEAK PROCEDURES** See Addendum:

PAGE #: 4

Actions to take for Leaks & Spills Remove all sources of ignition. Ventilate enclosed areas, soak up spillage with sand or other absorbent and place in chemical waste container for disposal. Do not flush into sewer or storm drain. Flush spilled area with detergent and water.**Waste Disposal Method:** 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:

Ref. PAGE:

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: Local mechanical exhaust ventilation capable of maintaining emission at the point of use below the PEL.

Other Precautions: Store in a cool protected location. Keep container closed when not in use.

11. REGULATORY INFORMATION

See Addendum:

Ref. PAGE: 4

Workplace Classification: Flammable

12. TOXICOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Acute Data: May cause local irritation from exposure.

**Reproductive /
Teratology Data** ND

13. ECOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Fate in the Environment: ND

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: FLAMMABLE,3, UN 1993, PG II
(Isopropyl alcohol)

Warning Labels: FLAMMABLE



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ADDENDUM for Section - 8. SPILL OR LEAK PROCEDURES - Ref. Pg. 2

Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine whether a substance should be classified as a hazardous waste at the time of disposal. This is due to the fact that product use, transformation, synthesis, mixtures, etc. may change the nature of the product.

ADDENDUM for Section - 11. REGULATORY INFORMATION - Ref. Pg. 3

CERCLA Status: NOT REQUIRED

SARA/Title III- Section 304 Emergency Notification Reporting: This product does not contain a Section 304 listed hazardous substance.

SARA/Title III- Section 313 Emergency Notification 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.

ADDENDUM for Section - Other Information

NA = NOT APPLICABLE

ND = NOT DETERMINED

NE = NOT ESTABLISHED

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