

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DS-56

MSDS NUMBER: 50702DS56

PRODUCT CODE: COOLING WATER DISPERSANT

MSDS DATE: 5/07/02

KEY NUMBER: DS-56

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: DS-56
Chemical Family: COOLING WATER DISPERSANT
CAS #: MIXTURE **Chemical Formula:** MIXTURE
CAS Name: MIXTURE **Molecular Weight:** MIXTURE
Synonyms / Common Name: COOLING WATER DISPERSANT
DOT Information: DOT Non-Regulated water treatment liquid compound

2. PHYSICAL DATA See Addendum: Ref. PAGE:

<p>Appearance: Yellow Liquid Color: Yellow State: Liquid Odor Characteristics: Mild pH: 6.5-7.5 Viscosity: ND Specific Gravity (Water = 1): 1.075 Vapor Density (Air = 1): ND Vapor Pressure: ND</p>	<p>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</p>
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3. INGREDIENTS - HAZARDOUS See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %

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: Fire Fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Unusual Fire & Explosion Hazards: NONE

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5. HEALTH HAZARD DATA See Addendum:

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Threshold Limit Value:**Effects of Overexposure:****Inhalation:** Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time of exposure.**Skin Contact:** Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or occasionally, blistering.**Eye Contact:** Slightly hazardous in case of eye contact (irritant)**Ingestion:** Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps, and diarrhea, and perhaps unconsciousness, or death. Ingestion is not expected to be a primary route of exposure.**Delayed Effects:** The effects from chronic exposure to this product have not been fully evaluated.**Medical Conditions Aggravated by Exposure** None Known**6. FIRST AID MEASURES** See Addendum:

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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 with a health care professional. Preferably an ophthalmologist, for further evaluation.**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 under normal conditions of use and storage.**Incompatibility: (materials to avoid)** Anionic Polymers**Hazardous Combustion or Decomposition Products** Carbon monoxide may be formed upon burning.**Hazardous Polymerization:** Will not occur.**Conditions to Avoid:** Do not mix with other industrial chemicals.**8. SPILL OR LEAK PROCEDURES** See Addendum:

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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:** 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:

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Workplace Classification: Irritant

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 - 11. REGULATORY INFORMATION - Ref. Pg. 3

SARA 302 Extremely Hazardous Substances List-No components of this product are listed.
SARA 313 Toxic Chemicals List- no components of this product are present above the de minimus levels.
CERCLA-No components of this product are present above the de minimus levels.
RCRA- No components of this product are listed.
TSCA- All components are listed on the TSCA inventory.

Not shown as a carcinogen by OSHA, IARC, or NTP. This product is not considered a carcinogen.

ADDENDUM for Section - Other Information

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

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ADDENDUM for Section -