

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: ACT BT-502C

MSDS NUMBER: 091698BT502C

PRODUCT CODE: Boiler Water Treatment Compound

MSDS DATE: 09/16/98

KEY NUMBER: BT-502C

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



Advanced Chemical Technology LLC

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HEALTH

0

Normal material

FIRE

1

Flash Point: Above 200°F, 93°C

REACTIVITY

1

Unstable If Heated

SPECIFIC

-

1. IDENTIFICATION

See Addendum:

Ref. PAGE:

Chemical Name: ACT BT-502C

Chemical Family: Sulfites

CAS #: Mixture

Chemical Formula: Mixture

CAS Name: Mixture

Molecular Weight: Mixture

Synonyms / Common Name: Boiler Water Treatment, Oxygen Scavenger

DOT Information: Bisulfites, inorganic aqueous solution, N.O.S. 8, UN2693, PG III

2. PHYSICAL DATA

See Addendum:

Ref. PAGE:

Appearance: Brown Liquid

Color: Brown

State: Liquid

Odor Characteristics: Pungent

pH: ND

Viscosity: ND

Specific Gravity (Water = 1): 1.283

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): ND

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 metabisulfite	7681574		5 mg/cu M	

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, carbon dioxide, foam, dry chemical

Special Fire Fighting Procedures: Full protective clothing plus self-contained breathing apparatus

Unusual Fire & Explosion Hazards: Sulfur dioxide gases may result from fire adjacent to stored material.

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5. HEALTH HAZARD DATA See Addendum:

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Threshold Limit Value: 5 mg/cu M**Effects of Overexposure:****Inhalation:** Vapors and mists are extremely corrosive to the nose, throat, and mucous membranes**Skin Contact:** May cause irritation on contact**Eye Contact:** May cause irritation on contact**Ingestion:** May cause headaches, nausea, vomiting, stomach cramps, and diarrhea, and perhaps unconsciousness, or death**Delayed Effects:** Toxic if ingested**Medical Conditions** ND
Aggravated by Exposure**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. 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:** 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:** Strong oxidizers, metals, acids, alkalis, amines, halogens, halogen compounds, and aldehydes
(materials to avoid)**Hazardous Combustion or Decomposition Products** Decomposes at high temperatures to form sulfur oxide gases**Hazardous Polymerization:** Will not occur**Conditions to Avoid:** Protect from toxic sulfur oxide gases**8. SPILL OR LEAK PROCEDURES** See Addendum:

PAGE #:

Actions to take for Leaks & Spills Small spills should be flushed with a water spray. Large spills should be handled according to a predetermined plan.**Waste Disposal Method:** Dilute sodium carbonate (soda ash) solution may be used to neutralize the final traces immediately after flushing. Use D.O.T. approved containers for waste disposal. 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

Other Clothing: Rubber Apron and Protective Clothes

Other Equipment: None

Engineering Controls: Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL

10. HANDLING AND STORAGE

See Addendum:

Ref. PAGE:

Special Precautions: Do not get in eyes, on skin, or on clothing. An eyewash and safety shower should be nearby and ready for use.

Other Precautions: Do not mix with other industrial chemicals

11. REGULATORY INFORMATION

See Addendum:

Ref. PAGE: 4

Workplace Classification: NE

12. TOXICOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Acute Data: None

**Reproductive /
Teratology Data** None

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: Bisulfites, inorganic aqueous solution, N.O.S. 8, UN 2693, PG III
Emergency Response Guide Book Number 154

Warning Labels: None



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

No RECRA Listed Hazardous Constituents

CERCLA Status: Not regulated

SARA/Title III - Section 304 Emergency notification reporting: This product does not contain a Section 304 listed hazardous substance for emergency release notification.

SARA/Title III - Section 313 Toxic chemical release 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

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

NA = Not Applicable
ND = Not Determined
NE = Not Established