

MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 4

PRODUCT NAME: ACT BT-701

MSDS NUMBER: 071200BT701

PRODUCT CODE: Boiler Water Antifoam

MSDS DATE: 07/12/2000

KEY NUMBER: BT-701

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



Advanced Chemical Technology LLC

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HEALTH	0	Normal material
FIRE	2	Flash Point: Below 200°F, 93°C
REACTIVITY	0	Stable
SPECIFIC		-

1. IDENTIFICATION

See Addendum: Ref. PAGE:

Chemical Name: ACT BT-701

Chemical Family: Boiler Water Treatment

CAS #: NA

Chemical Formula: Mixture

CAS Name: NA

Molecular Weight: Mixture

Synonyms / Common Name: Boiler Water Antifoam

DOT Information: Flammable

2. PHYSICAL DATA

See Addendum: Ref. PAGE:

Appearance: Colorless liquid

Color: Colorless

State: Liquid

Odor Characteristics: Medicinal alcoholic odor

pH: ND

Viscosity: ND

Specific Gravity (Water = 1): 0.90

Vapor Density (Air = 1): 2.0

Vapor Pressure: 33 @ 20 °C

Melting Point: NA

Boiling Point: 181 °F

Flash Point: 71 °F

Freezing Point: ND

Percent Volatility: NA

Evaporation Rate (BAC = 1): >1

Solubility in Water: Complete

Solubility in Oil: ND

Solubility in Acetone: ND

3. INGREDIENTS

See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Isopropyl alcohol	67-63-0	Isopropyl alcohol	800 ppm	50%

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum: Ref. PAGE:

Flash Point: 71

Flammable Limits in Air % by volume: Lower 2%
Upper 13%

Extinguishing Media: Alcohol foam, dry chemical, or carbon dioxide

Special Fire Fighting Procedures: Firefighters should wear SCBA. Use water spray to cool adjacent containers and structures exposed to fire.

Unusual Fire & Explosion Hazards: Extinguish all nearby sources of ignition because vapors may be moved by air currents to ignition sources distant from the handling point.



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5. HEALTH HAZARD DATA

See Addendum:

PAGE #:

Threshold Limit Value: 800 ppm

Effects of Overexposure:

Inhalation: May cause irritation of upper respiratory passages.

Skin Contact: Vapors will irritate the skin or eyes.

Eye Contact: Liquids and mists can severely irritate or damage the eyes and cause corneal burns

Ingestion: Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps, and diarrhea, and perhaps unconsciousness or death.

Delayed Effects: Prolonged exposure can cause central nervous system depression

Medical Conditions Aggravated by Exposure: Impaired respiratory function, pre-existing eye and skin problems

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: Drink small amounts of water and get immediate medical attention

NOTES TO PHYSICIAN: None

7. REACTIVITY DATA

See Addendum:

PAGE #:

Stability: Stable

Incompatibility: (materials to avoid) Strong oxidizers, alkalis, and amines, halogens, halogen compounds, anhydrides, and aldehydes

Hazardous Combustion or Decomposition Products: Carbon dioxide or carbon monoxide may be formed

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: Dispose of at an approved chemical waste reprocessing facility. NOTE: Dispose of all wastes in accordance with 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: Goggles or safety glasses recommended

Skin Protection: Rubber gloves

Other Clothing: Long sleeved shirt, rubber apron, and boots

Other Equipment: None

Engineering Controls: Adequate ventilation

10. HANDLING AND STORAGE

See Addendum: Ref. PAGE:

Special Precautions: An eyewash and safety shower should be nearby and ready for use

Other Precautions: Do not get in eyes, on skin, or on clothing.

11. REGULATORY INFORMATION

See Addendum: Ref. PAGE: 4

Workplace Classification: Combustible

12. TOXICOLOGICAL INFORMATION

See Addendum: Ref. PAGE:

Acute Data: ND

**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: Combustible
UN 1993
(Isopropyl alcohol)

Warning Labels: Combustible



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

All chemical components are listed on TSCA inventory

SARA:

Section 313 No chemicals are reportable under Section 313

This product does not contain a section 304 listed hazardous substance for emergency release notification

CERCLA Status: Not regulated

RCRA: No listed RCRA listed hazardous constituents

California Proposition 65 Status: This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins

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 -

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 -

NA = Not Applicable, ND = None determined, NE = Not established