



MATERIAL SAFETY DATA SHEET

Ty-Ion B17A

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: Ty-Ion B17A
Synonyms: Boiler Water Treatment

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 7509

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Diethylamineoethanol	100-37-8	<30	10ppm (skin) 20ppm (skin)	10ppm (skin) 20ppm (skin)
Morpholine* *STEL=30ppm	110-91-8	<30		

All ingredients are TSCA listed.

III - PHYSICAL DATA

Vapor Pressure: mm Hg: N/A	Vapor Density (Air=1) 60-90° F: N/A
Evaporation Rate: (ether=1): N/A	VOC Content (% by wt.): 99%
Solubility in H₂O: Complete	pH @ Solution: N/A
Freezing Point °F: 5°F	pH as Distributed: 12.2
Boiling Point °F: N/A	Appearance: Straw liquid
Specific Gravity H₂O=1 @25° C: 1.01	Odor: Amine odor

IV - FIRE AND EXPLOSION

Flash Point F: 152°F **Flammable Limits:** N/A
Extinguishing Media: CO₂, dry chemical.
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

V - REACTIVITY DATA

Stability - Conditions to avoid: N/A
Incompatibility: None known.
Hazardous Decomposition Products: Heat will release amines.
Conditions Contributing to Hazardous Polymerizations: Will not occur.

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),
A. ACUTE (Primary Route of Exposure) EYES: Product is an eye irritant. SKIN: Product is a skin irritant. INHALATION: Vapors are irritating. INGESTION: Harmful if swallowed. Will cause upset to gastrointestinal tract.
B. SUBCHRONIC, CHRONIC, OTHER: No available information was found.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Liquid vapors are irritating to mucous membranes. Remove to fresh air. If breathing is difficult, consult a physician immediately.
EYES: Flush eyes with flowing water for 15 minutes, contact physician.
SKIN: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.
INGESTION: Treat as strong alkali. DO Not induce vomiting. Drink large quantities of milk, egg whites, gelatin solution or water. Contact a physician immediately.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Collect with absorbent. Then bury/burn. Flush residue to sewer with large amounts of water. Neutralize with dilute acetic acid.

Waste Disposal Methods: Dispose through authorized chemical scavenger service. Rinse drums thoroughly and tender to drum reconditioner.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Respirator suitable for organic amines.

Eye Protection: Safety glasses or goggles. **Glove:** Rubber Gloves

Other Clothing and Equipment: N/A

Ventilation: Mechanical ventilation is adequate.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : Keep from freezing. Keep container closed when not in use. Store away from heat or open flame. For industrial use only.

Additional Information: Read and observe labeled use instructions.

NFPA

Health Hazard.....: 1

Fire Hazard.....: 0

Reactivity.....: 0

Specific Hazard....:

HMIS RATING

Health Hazard.....: 1

Fire Hazard.....: 0

Reactivity.....: 0

Personal Protection....: X (Sec. 9)

Revision Date: 03/21/2002

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