



MATERIAL SAFETY DATA SHEET

Ty-Ion B-85

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: Ty-Ion B-85
Synonyms: Boiler Water Treatment

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 7585

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Sodium hydroxide	1310-73-2	6	2mg/m3 (ceiling)	2mg/m3 (ceiling)

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.): @105C/2 hrs. 77%
Solubility in H₂O: Complete	pH @ N/A Solution: N/A
Freezing Point °F: May Sep.blw. 45°F	pH as Distributed: 13.5
Boiling Point °F: @14.7 psig psig 220°	Appearance: Brown liquid
Specific Gravity H₂O=1 @25° C: 1.20	Odor: None

IV - FIRE AND EXPLOSION

Flash Point F: None to boil **Flammable Limits:** N/A
Extinguishing Media: Suitable for fire-water, CO₂, foam, dry chemical.
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: Combustion may result in generation of sulfur oxides.

V - REACTIVITY DATA

Stability - Conditions to avoid: Stable.
Incompatibility: Acidic solutions and oxidizing materials.
Hazardous Decomposition Products: CO₂ and sulfur oxides.
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 & SKIN: Corrosive to tissues. Will cause burns.
INHALATION: Mists are irritating to nasal and throat passages. INGESTION: Harmful if swallowed. Can burn mouth, throat and stomach.
B. SUBCHRONIC, CHRONIC, OTHER: No available information was found.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove source of irritation and treat as for ingestion.
EYES: Flood with plenty of water for 15 minutes, get prompt medical attention.
SKIN: Flood with water, then wash with vinegar.
INGESTION: Drink large quantities of water or milk. Follow with citrus fruit juice. DO NOT INDUCE VOMITING, unless so directed by medical personnel.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Use industrial absorbent and incinerate or dispose with chemicals scavenger service. Flush residues to drain with water. May be neutralized with dilute acetic acid.
Waste Disposal Methods: As above. In case of large spill, dispose through authorized scavenger service.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: N/A

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

Other Clothing and Equipment: Chemical apron.

Ventilation: Local exhaust is adequate.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : Keep container closed when not in use and protect from physical damage. Protect from freezing. This product is RUINED BY FREEZING. Store between 45F and 120F. Vent container carefully before opening. For industrial use only.

Additional Information: Read and observe labeled use instructions.

NFPA

Health Hazard.....: 2

Fire Hazard.....: 0

Reactivity.....: 0

Specific Hazard....:

HMIS RATING

Health Hazard.....: 2

Fire Hazard.....: 0

Reactivity.....: 0

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

Revision Date: 03/21/2002

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