



## MATERIAL SAFETY DATA SHEET

### Ty-Ion B11

#### I - PRODUCT IDENTIFICATION

**Company Name:** Nu-Calgon Wholesaler, Inc.  
**Address:** 2008 Altom Court, St. Louis, MO 63146-4151  
**Product Name:** Ty-Ion B11  
**Synonyms:** Oxygen Scavenger

**Tel No:** (314) 469-7000, (800) 554-5499  
**CHEMTREC:** (800) 424-9300  
**Product Number:** 7511

#### II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Sodium Bisulfite	7681-57-4	<35	NE	NE

All ingredients are TSCA listed.

#### III - PHYSICAL DATA

**Vapor Pressure:** mm Hg: N/A  
**Evaporation Rate:** (ether=1): N/A  
**Solubility in H<sub>2</sub>O:** Complete  
**Freezing Point °F:** ~30°F  
**Boiling Point °F:** >212°F  
**Specific Gravity H<sub>2</sub>O=1 @25° C:** 1.16

**Vapor Density (Air=1) 60-90° F:** N/A  
**VOC Content (% by wt.):** 8+% @ 105C/1 hr.  
**pH @ Solution:** N/A  
**pH as Distributed:** 4.4  
**Appearance:** Clear pink liquid  
**Odor:** Sulfur odor

#### IV - FIRE AND EXPLOSION

**Flash Point F:** Not flammable **Flammable Limits:** N/A  
**Extinguishing Media:** Product is non flammable. Use appropriate extinguishing media for surrounding fire.  
**Special Fire Fighting Procedures:** Use NIOSH - approved self - contained breathing apparatus. Use water spray to keep containers cool and to knock down flames.  
**Unusual Fire and Explosion Hazards:** At decomposition temperatures, oxides of sulfur release.

#### V - REACTIVITY DATA

**Stability - Conditions to avoid:** None known.  
**Incompatibility:** Strong oxidizers, strong acids or alkaline materials.  
**Hazardous Decomposition Products:** Oxides of sulfur when heated to decomposition.  
**Conditions Contributing to Hazardous Polymerizations:** None known.

#### VI - HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),**  
**A. ACUTE (Primary Route of Exposure)** EYES: Irritating to eyes. SKIN: May cause skin irritation.  
INHALATION: Inhalation of product mist may irritate respiratory tract. INGESTION: Harmful if swallowed. Will cause upset to stomach.  
**B. SUBCHRONIC, CHRONIC, OTHER:** Sensitive persons may experience respiratory allergic reactions.  
**C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:**

#### VII - EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention.  
**EYES:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.  
**SKIN:** Wash with soap and water. Remove contaminated clothing and footwear and wash before reuse. Get medical attention if irritation occurs or persists.  
**INGESTION:** Give 1 - 2 glasses of water or milk to dilute. Get medical aid immediately.

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## VIII - SPILL OR LEAK PROCEDURE

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**Spill Management:** Mop up spilled material. Flush residues to drain with water.

**Waste Disposal Methods:** Carefully neutralize with dilute bleach and flush to sewer in accordance with local, state and federal regulations.

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## IX - PROTECTION INFORMATION/CONTROL MEASURES

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**Respiratory:** Not required

**Eye Protection:** Safety glasses **Glove:** Rubber gloves

**Other Clothing and Equipment:** Not required.

**Ventilation:** Mechanical exhaust is recommended.

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## X - SPECIAL PRECAUTIONS

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**Precautions to be taken in Handling and Storing :** Wash thoroughly after handling. Keep container closed. If frozen, thaw and remix before use.

**Additional Information:** Read and observe all labeled precautions.

### 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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