



MATERIAL SAFETY DATA SHEET

No. 90 Algaecide

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: No. 90 Algaecide
Synonyms: Cooling Water Microbiocide
EPA Regis. No. 5185-420-65516
EPA Est. No. 5185-MI-1

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 4109

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
1-Bromo-3-Chloro-5, 5-Dimethylhydantoin ORAL LD50 Rat>200 mg/kg	16079-88-2	96	N/A	N/A

All ingredients are TSCA listed.

III - PHYSICAL DATA

Vapor Pressure: mm Hg: Solid	Vapor Density (Air=1) 60-90° F: Solid
Evaporation Rate: (ether=1) N/A	VOC Content (% by wt.): Solid
Solubility in H₂O: 0.15g/100g in H ₂ O	pH @ Solution: Unknown
Freezing Point °F: N/AV	pH as Distributed: N/A
Boiling Point °F: Solid	Appearance: White compressed tablets
Specific Gravity H₂O=1 @25° C: Solid	Odor: Strong halogen odor

IV - FIRE AND EXPLOSION

Flash Point F: Non flammable **Flammable Limits:** N/A
Extinguishing Media: Water.
Special Fire Fighting Procedures: If involved in a fire, hydrogen bromide or bromine may be released. Exercise caution when fighting any chemical fire. Respiratory protection is essential. In large fires, product may smolder for prolonged periods emitting a dense black smoke.
Unusual Fire and Explosion Hazards: Product is a strong oxidizing agent. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, hazardous gases and possible fire and explosion. In case of contamination or decomposition do not reseal container. If possible, isolate container in open air or well ventilated area. If necessary, flood with large volume of water.

V - REACTIVITY DATA

Stability - Conditions to avoid: Do not mix with anything but water.
Incompatibility: Organics and strong reducing agents.
Hazardous Decomposition Products: Fires may release hydrogen bromide or bromine.
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) EYE & SKIN: Corrosive to tissues. Direct contact causes severe eye irritation. Can cause irreversible eye damage. Remove and wash all contaminated clothing before reuse. **INHALATION:** Irritating to nose and throat. **INGESTION:** Poisonous, may be fatal if swallowed.
B. SUBCHRONIC, CHRONIC, OTHER: No available information was found.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. Contact a physician, if irritation persists.

EYES: In case of contact, flush eyes copiously with water for at least 15 minutes and get medical attention.

SKIN: After handling, wash hands thoroughly.

INGESTION: If swallowed, drink raw egg whites, milk or mucilage, follow with emetic (tablespoon of mustard in glass of warm water).

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Dispose of in accordance with federal, state and local regulations. Sweep up spilled material and repackage. Wash area of spill with large amounts of water.

Waste Disposal Methods: PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. CONTAINER DISPOSAL: Dispose of in an incinerator or landfill approved for pesticide containers. Do not reuse empty container. GENERAL: Consult federal, state or local disposal authorities for approved alternative procedures.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Dust mask essential where dusting may occur.

Eye Protection: Eye goggles **Glove:** Rubber Gloves

Other Clothing and Equipment: Protective clothing.

Ventilation: Local and mechanical exhaust is recommended.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : Do not get in eyes, on skin or clothing. Keep container closed. Keep out of reach of children. After handling, wash hands thoroughly. Do not breathe dusts. Store in a cool, dry area away from fire or flame.

Additional Information: Mix only with water. Use clean, dry utensils and equipment. Do not mix with other chemicals. Such use may cause violent reaction.

NFPA

Health Hazard.....: 1

Fire Hazard.....: 0

Reactivity.....: 2

Specific Hazard...:

HMIS RATING

Health Hazard.....: 1

Fire Hazard.....: 0

Reactivity.....: 2

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

Revision Date: 10/17/2002

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