BROMCHLOR" POWDER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

HARMFUL IF SWALLOWED. HIGHLY CORROSIVE. DO NOT TAKE INTERNALLY. Causes eye and skin damage. Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into eyes, on skin or clothing. Wear rubber gloves and goggles or face shield when handling. Wash thoroughly after handling. Immediately remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into Takes, streams, ponds, or public water unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of container and equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

CHEMICAL HAZARD: STRONG OXIDIZING AGENT. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. In case of contamination or decomposition, do not research container. It is possible, isolate container in open air or well ventilated area. Flood with large volumes of water if necessary.

KEEP CONTAINER TIGHTEY CLOSED STORE IN A COOL, DRY PLACE DO NOT STORE AT ELEVATED TEMPERATURES

| Contents | Active Ingredients | 1-bromo-3-chloro-5.5- | 90.0% | 1,3-dibromo-5,5-dimethyl-hydantoin | 9.0% | 1,0% | 4 veilable chloring | 26.2% | Available bromino | 65.6% | EPA Reg. No. 38906-4 | EPA Est. No. 38906 PA 01 | Net Weight | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.0% | 1.

DANGER

225 lbs.

STATEMENT OF PRACTICAL TREATMENT

In case of ingestion, feed gruel, cooked cereal or bread soaked in milk followed by olive oil. Immediately contact physician.

In case of contact with eyes, flush eyes immediately with plenty of water for at least 15 minutes. Immediately contact physician.

In case of contact with skin, wash immediately with soap, and plenty of water. Immediately contact physician.

NOTE TO PHYSICIAN: Probable mucosal damage may condraindicate the use of gastric lavage.



FOR REFORMULATING AND/OR REPACKAGING USE

It is a violation of Federal Law to use this product in a manner inconsistent with the labelling. For use as a disinfectant, algaecide, and/or slimicide for industrial uses only. See bulletin A104-BCP for additional information. Reformulated or repackaged products must be registered with EPA. The registrant must supply data required for this registration.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Store in a well ventilated area away from heat or open flame. Open dumping is prohibited. Do not reuse empty container.

In case of decomposition, isolate container, if possible, and flood with large amounts of water to dissolve all material before discarding.

Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides.

TRIPLE RINSE THE FIBER AND PLASTIC CONTAINERS BEFORE destroying by perforation or crushing and burying in a safe place away from water supplies. The rinsed containers may be disposed of by incineration. Consult federal, state or local authorities for approved alternative procedures.



OXIDIZING MATERIAL N.O.S. (BROMOCHLORODIMETHYLHYDANTOIN)
UN # 1479





ACCEPTED 24 MAY 1982 38906-4

LARGER THE FINDLAS INFECTIONS ACT FOR ECONOMIC POLICE POLICE SEGMENTS ACT FOR ECONOMIC POLICE POLICE

BROMCHLORTM POWDER

BROMCHLOR POWDER aids in the control of objectionable bacteria and fungi in pulp and paper mills, and the additives systems, such as dyes, polymers, and adhesives, and in the preservation of pulp, pigment, slurries, emulsions, adhesives, defoamers, polymers, and paper products.

BROMCHLOR POWDER is suggested as an aid in the control of bacteria, fungi and algae slimes in evaporative condensers, heat exchanger water systems, commercial and industrial cooling towers, effluent systems, such as flowthrough infilco units, filters, lagoons, etc; industrial waste scrubbing systems, and secondary water recovery.

PRODUCT DESCRIPTION:

BROMCHLOR POWDER is 1-Bromo-3-chloro-5,5-dimethylhydantoin. It functions as a disinfectant through the release of active bromine and chlorine.

PHYSICAL PROPERTIES:

PRODUCT SPECIFICATIONS:

Active Ingredients	3
1-Bromo-3-chloro-5,5-dimethylhydantoin	90.0
Inert Ingredients	1.0
Available chlorine	

A-104 BCP 4/82



technical days

BROMCHLORTM POWDER

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SOLUBILITY:

	Temperature, °C	Gram(s) per 100 Grams of Solvent, Approx.
Water Water Water Methylene Chloride Ethylene Dichloride	25 49 60 25 25	0.24 0.48 0.62 7.3 7.1

PROCESSING AND HANDLING PRECAUTIONS:

BROMCHLOR POWDER is an active bromine, chlorine compound that remains stable provided it is stored in a cool, dry area. BROMCHLOR POWDER is classified as a strong oxidizing agent, and similar to other chlorine generators will decompose if mixed with readily oxidizable substances. Avoid mixing BROMCHLOR POWDER with lubricating oils, strong acids, strong alkalis, reducing agents and hydrated salts. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion.

Refer to the BROMCHLOR POWDER container label for more information regarding physical and chemical hazards.

CONTAINERS AND LABELLING:

BROMCHLOR POWDER is shipped in 225 and 25 pound (net weight) fiber drums with polyethylene liners. As required by the U.S. Department of Transportation, each container bears a yellow "OXIDIZER" label.

TOXICOLOGY:

The acute oral LD-50 of BROMCHLOR POWDER in male rats is 485 - 84.0...
mgs. per kg. of body weight. Therefore, it is classified as moderately toxic after oral administration. It is markedly irritating to lung tissues upon inhalation with potential systemic absorption and tissue damage. On contact, it is corrosive to peripheral tissue - eyes, skin and mucous membranes. It may produce severe burns and irreversible damage to the eye.

A TLV has not been established. GLYCO $^{\otimes}$ has no internal TWA or STEL standards. GLYCO monitors periodically for dust count. Dust has been maintained at 0.2 - 0.3 mg/m 3 .



BROMCHLORTM POWDER

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In case of contact with skin, wash immediately with soap and plenty of water. Immediately contact physician.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

FOR REFORMULATING AND/OR REPACKAGING USE:

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling. For use as a disinfectant, algaecide, and/or slimicide for industrial uses only. Reformulated or repackaged products must be registered with EPA. The registrant must supply data required for this registration.

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Do not contaminate water, food or feed by storage or disposal. Store in a well-ventilated area away from heat or open flames. Open dumping is prohibited. Do not reuse empty container.

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EPA REGISTRATION NUMBER:

EPA Reg No. 38906-4 EPA Establishment No. 38906 PA 01

To the best of our knowledge, the information contained in this data bulletin is accurate and will prove satisfactory in most cases. Any further technical advice or assistance furnished by any GLYCO representative with respect to the use or handling of GLYCO products is given without charge, and the purchaser assumes all risks in acting upon such gratuitous advice or assistance. Because individual requirements vary, it is urged that purchasers perform their own tests, experiments and investigations to determine independently whether purchaser's use of any of the data and information furnished is in compliance with applicable Federal, State and Local Laws and regulations. Statements regarding applications of GLYCO products should not be considered as recommending or suggesting uses in violation of existing patents, and GLYCO assumes no liability for infringements arising out of such uses.