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Sanibrom 45 Biocide

# SANIBROM® 45 BIOCIDES

FOR USE AS A DISINFECTANT, BACTERICIDE, FUNGICIDE,  
ALGICIDE, SLIMICIDE AND MOLLUSCICIDE IN WATER TREATMENT.

**ACTIVE INGREDIENT:**

Sodium Bromide ..... 45.0%

**INERT INGREDIENT:** ..... 55.0%

## KEEP OUT OF REACH OF CHILDREN CAUTION

Prolonged eyes and skin contact may cause severe irritation.

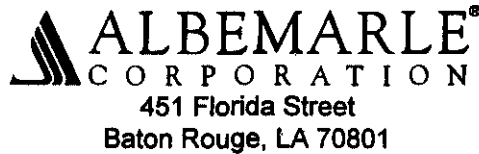
### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-25 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

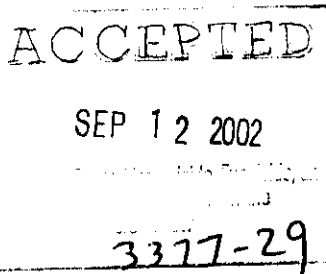
**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.



In case of an emergency endangering life or property involving this product, call collect  
**(225) 344-7147.**

EPA Reg. No. 3377-29  
EPA Est. No. 3377-AR-1  
EPA Est. No. 42403-TX-1



**Net Contents..... lbs.**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if absorbed through skin. Avoid contact with skin and clothing. Wash with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS**

SANIBROM 45 BIOCIDE is not flammable. Avoid contact with strong oxidizers (other than sodium hypochlorite and chlorine), acids, alkaloidal and heavy metal salts.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in any manner inconsistent with its labeling.

SANIBROM 45 BIOCIDE is used as a disinfectant, bactericide, fungicide, algacide, slimicide, and molluscicide in recirculating and once-through cooling water systems, brewery pasteurizing systems, waste water systems, and pulp and paper mills. It is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%) or chlorine gas (99.9%) to produce hypobromous acid. SANIBROM 45 BIOCIDE may be added at system inlet water or metered into the existing NaOCl piping to form a solution of sodium hypobromite. Consult your feeder manufacturer for correct procedure and proper use of the feeder equipment.

**WASTEWATER.** When used as directed, SANIBROM 45 BIOCIDE effectively disinfects wastewater effluent. The quantity of SANIBROM 45 BIOCIDE required varies with the degree of fouling. Add sufficient SANIBROM 45 BIOCIDE and chlorine or sodium hypochlorite to achieve residual bromine levels of 0.3 ppm to 2 ppm when measured approximately 5 minutes after treatment.

Depending on the construction of the wastewater system, SANIBROM 45 BIOCIDE can be effectively added to one or more different locations in the system. Frequently, the compound is added to wastewater receiving secondary treatment at a contact tank preceding the effluent discharge or at the influent of the final clarifier.

The disinfection of sewage effluent must be evaluated by determining that the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the MPN Procedure, of the disinfected effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

**RECIRCULATING COOLING WATER SYSTEMS INCLUDING BREWERY PASTEURIZERS AND AIR WASHERS.** When used as directed, SANIBROM 45 BIOCIDE effectively controls bacteria, fungi, algae, slimes and the growth and settlement of mollusks such as zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in commercial and industrial cooling towers, heat exchange systems such as flow through filters, and lagoons, etc.

**INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS.** When used as directed, SANIBROM 45 BIOCIDE effectively controls bacteria, fungi, algae, slimes and the growth and settlement of mollusks such as zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once-through and closed-cycle fresh and sea water cooling systems. Apply SANIBROM 45 BIOCIDE and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

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**DOSAGE RATES:**

Initial Dose: When the system is noticeably fouled, apply sufficient SANIBROM 45 BIOCIDe and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 to 2 ppm or as needed to maintain control. A 0.5 to 2.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.8 to 7.6 lbs of chlorine gas (99.9%) or 1.5 to 6.2 gallons NaOCl (12.5%) for each gallon of SANIBROM 45 BIOCIDe.

Subsequent Dose: When microbial control is evident, apply sufficient SANIBROM 45 BIOCIDe and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 to 1 ppm or as needed to maintain control. A 0.5 to 2.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.8 to 7.6 lbs of chlorine gas (99.9%) or 1.5 to 6.2 gallons NaOCl (12.5%) for each gallon of SANIBROM 45 BIOCIDe.

The product may be added to the system either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend on the severity of the problem. It is recommended that the product be used in a manner such that the effluent discharges meet the NPDES guidelines.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store drums in well ventilated, dry area. Product should be stored at 50° F or above.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse the container (or equivalent), then offer for recycle, reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY**

Seller makes no warranty expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

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