SANIBROM® 40 BIOCIDE
FOR USE AS A BACTERICIDE, FUNGICIDE, ALGICIDE, SLIMICIDE AND MOLLUSCICIDE IN COMMERCIAL AND INDUSTRIAL WATER TREATMENT CONTROLS BIOFILM DEPOSITS FROM PUMPS, PIPework, HEAT EXCHANGERS, AND FILTERS ASSOCIATED WITH INDUSTRIAL WATER TREATMENT SYSTEMS.

ACTIVE INGREDIENT: Sodium Bromide ........................................... 40.0%
INERT INGREDIENTS .................................................. 60.0%
TOTAL ................................................................. 100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

Prolonged eye 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 go for treatment.

ALBEMARLE CORPORATION
451 Florida Street
Baton Rouge, LA 70801

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

EPA Reg. No. 3377-25
EPA Est. 42403-TX-1, 3377-AR-1

Net Contents: __________________________
Batch Number: _________________________

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 clothing separately before reuse. Do not get in eyes.

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 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 40 BIOCIDE is not flammable. Avoid contact with strong acids and strong oxidizing agents. Avoid contact with common metals such as aluminum, brass, copper, carbon steel and stainless steel.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in a cool, dry, well-ventilated area. Product should be stored at 10° 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: [55 gallon] Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.
CONTAINER DISPOSAL: [275-300 gallon tote or IBC] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 5 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.
[tank truck] Do not rinse or clean the tank after unloading the contents. Release may not be allowed in certain areas. The following statements will be used on labels for stationary tanks:
Refrillable container. Refill this container with like pesticide products. Do not reuse this container for any other purpose.
CONTAINER DISPOSAL: Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 5 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

SANIBROM 40 BIOCIDE is used as a bactericide, fungicide, algicide, slimicide, and molluscicide in recirculating and once-through cooling water systems, brewery pasteurizing systems and waste water systems. 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 40 BIOCIDE may be added at system inlet water or metered into the existing NaOCl piping to form a solution of sodium hypobromite. Consult your equipment manufacturer for correct procedure and proper use of the feeder equipment.

WASTEWATER: When used as directed, SANIBROM 40 BIOCIDE effectively controls microorganisms in wastewater systems. The quantity of SANIBROM 40 BIOCIDE required varies with the degree of fouling and is to be formulated against a residual bromine level of 0.3 ppm to 1 ppm when measured approximately 5 minutes after treatment.

DOSAGE RATES: The following dosage rate is to be maintained in the treated water.

- For use in recirculating systems, where it is to be used as a bactericide, fungicide, algaecide, slimicide and molluscicide, add 0.05 to 0.2 mole ratio of SANIBROM 40 BIOCIDE and chlorine or sodium hypochlorite to achieve residual bromine levels of 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 1.5 to 6.0 lbs of chlorine gas (99.9%) or 1.3 to 5.2 gallons NaOCl (12.5%) for each gallon of SANIBROM 40 BIOCIDE.

- For use in once-through systems, where it is to be used as a bactericide, fungicide, and algaecide, add 0.05 to 0.2 mole ratio of SANIBROM 40 BIOCIDE and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area. The dosage rate may be achieved by adding 3.0 ppm per gallon of chlorine gas (99.9%) or 1.3 to 5.2 gallons NaOCl (12.5%) for each gallon of SANIBROM 40 BIOCIDE. The product may be added to the system either continuously or intermittently or as needed to obtain the above residual level. The frequency of feeding and dosage rate 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.

SANIBROM 40 BIOCIDE can also be used to clean biofilm deposits from pumps, pipework, heat exchangers, and filters associated with industrial water treatment systems.

DOSEAGE RATES: When the system is noticeably soiled, apply sufficient SANIBROM 40 BIOCIDE and chlorine or sodium hypochlorite to achieve a residual bromine level of 1.0 – 3.0 ppm or as needed to clean biofilm soil. A 0.25 to 1.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.5 – 6.0 lbs of chlorine gas (99.9%) or 1.3 – 5.2 gallons NaOCl (12.5%) for each gallon of SANIBROM 40 BIOCIDE.

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.