OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 04, 2025

David Swain
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ALBEMARLE CORPORATION

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Update Product Label's Use Directions and Additional Minor Labeling.
Product Name: SANIBROM 40 BIOCIDE
Admin Number: 3377-25
EPA Receipt Date: 04/29/2024
Action Case Number: 00609527

Dear David Swain:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Michael Varco by telephone at 703-347-0403 or via email at varco.michael@epa.gov.

Sincerely,

Demson Fuller, PM Team Lead
RMB1, AD
Office of Pesticide Programs

PULP AND PAPER MILLS: When used in conjunction with an oxidant, this product effectively controls algal, bacterial, and fungal slime in pulp and paper mill fresh and sea water influent water systems; cooling water systems, wastewater treatment systems, service water systems, white water systems, non-potable water systems, and other process water.

DOSAGE RATES – Pulp and Paper Mills: Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution; or,

2) 1.3 to 21.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

Add sufficient amount of mixed product/oxidant solution to achieve a residual bromine level of 0.5 to 5.0 parts per million. For 0.5 parts per million add 0.00057 gallons of product and 0.0018 gallons of (12.5%) bleach or 0.0019 pounds gas chlorine per 1,000 gallons of water treated.

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

DOSAGE RATES – clean biofilm deposits:
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 NaOC1 (12.5%) for each gallon of SANIBROM 40 BIOCIDE.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing separately 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 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 container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. 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 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 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

ALB 02- Apr-2025

SANIBROM® 40 BIOCIDE

FOR NON-PUBLIC HEALTH USES 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 going for treatment.

ALBEMARLE CORPORATION
4250 CONGRESS STREET, SUITE 900
CHARLOTTE, NC 28209

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

(Note to reviewer: The following text will be included if more than one EPA Est. No. is listed on the market label:) Beginning of batch code indicates Est. No.

Net Contents: _____

Batch Number: _____

ACCEPTED
04/04/2025
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 3377-25

DIRECTIONS FOR USE

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

SANIBROM 40 BIOCIDE is used as a bactericide, fungicide, algaecide, 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 feeder manufacturer for correct procedure and proper use of the feeder equipment.

WASTEWATER. When used as directed, SANIBROM 40 BIOCIDE effectively controls non-public health microorganisms in wastewater systems. The quantity of SANIBROM 40 BIOCIDE required varies with the degree of fouling. Add sufficient SANIBROM 40 BIOCIDE and chlorine or sodium hypochlorite to achieve residual bromine levels of 0.3 ppm to 1 ppm when measured approximately 5 minutes after treatment.

Depending on the construction of the wastewater system, SANIBROM 40 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.

RECIRCULATING COOLING WATER SYSTEMS INCLUDING BREWERY PASTEURIZERS AND AIR WASHERS. When used as directed, SANIBROM 40 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 water towers, industrial water scrubbing systems and influent systems such as flow through filters, and lagoons, etc.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS. When used as directed, SANIBROM 40 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 40 BIOCIDE and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

DOSAGE RATES:
Initial Dose: When the system is noticeably fouled, apply sufficient SANIBROM 40 BIOCIDE and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 – 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 – 6.0 lbs of chlorine gas (99.9%) or 1.3 – 5.2 gallons NaOCl (12.5%) for each gallon of SANIBROM 40 BIOCIDE.
Subsequent Dose: When microbial control is evident, apply sufficient SANIBROM 40 BIOCIDE and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 – 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 – 6.0 lbs of chlorine gas (99.9%) or 1.3 – 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.

FRUIT AND VEGETABLE WASH: When used in conjunction with an oxidant (Chlorine gas or NaOCl), this product can be used for the wash and transport of fruits and vegetables. This product and oxidant should be added at a rate not to exceed a dosage of 55 ppm of product (38.5 gallons of this product per one million gallons of water treated). Apply sufficient amount of this product and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 to 5 ppm when measured approximately 5 minutes after treatment. The recommended activation mix of this product and oxidant is a one to one molar ratio. Chlorine dose (99%) 3.3 pounds, 10% NaOCl dose (3.3 gallons) or 15% NaOCl dose (2.0 gallons) will activate one gallon of this product (40% sodium bromide solution). This product may be continuously metered to Chlorinator eductor water or mixed with a NaOCl solution for activation. The use of this product under this application must be followed by a potable water rinse to remove, to the extent possible, residues of the chemical.

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.

ALBEMARLE®

EPA 2-Apr-2025