



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 10, 2025

Clifford Kirchof
Tetra Technologies, Inc
24955 Interstate 45 North
The Woodlands, TX 77380
Electronic Transmittal: ckirchof@onetetra.com

Subject: Label Amendment – Registration Review Interim Decision Mitigation and
Additional Labeling Revisions
Product Name: BioRid 40i
EPA Registration Number: 2214-13
Received Date: 02/12/2024
Decision Number: 595087

Dear Clifford Kirchof:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Inorganic Halides Interim Registration Review Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the 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 the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Erin Dandridge by phone at 202-566-0635 or via email at Dandridge.erin@epa.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kimberly Whitesell".

Kimberly Whitesell
Senior Environmental Protection Specialist
Reevaluation Branch
Antimicrobials Division
Office of Pesticide Programs

Enclosure: Stamped Label

BioRid® 40i Sodium Bromide Solution



Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

Environmental Hazards

This product 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

BioRid® 40i is not flammable. Avoid contact with strong oxidizers (other than sodium hypochlorite and chlorine), acids, alkaloidal and heavy metal salts.

Storage and Disposal

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

Disposal: Do not contaminate water, food or feed by storage or disposal. Waste resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility. Triple rinse container (or equivalent), then offer for recycle, reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. Burn only if allowed, stay out of smoke.

NFPA Ratings:

HEALTH = 0, FIRE = 0, REACTIVITY = 0

EPA Registration Number 2214-13

EPA Establishment Number 2214-AR-001

Net contents _____ lbs.

For use as a disinfectant, sanitizer, slimicide, bactericide, algacide, fungicide, and molluscicide in water treatment applications.

Active Ingredient – Sodium Bromide: ... 40.0%¹
Other Ingredients: ... 60.0%
Total: ... **100%**

¹ Contains 31% available bromine

BioRid® 40i is a water based, non-flammable product.

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 – 20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: 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 a poison control center or doctor immediately for treatment advice. 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. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or going for treatment. You may also contact CHEMTREC at 1 (800) 424-9300 (24-Hour Emergency Response) for medical treatment or other emergency involving life or property.

Directions for Use

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

BioRid® 40i is used as a disinfectant, sanitizer, slimicide, bactericide, algacide, fungicide and molluscicide in re-circulating and once-through cooling water systems, brewery/cannery and pasteurizing systems, wastewater systems, water treatment systems, food processing systems, domestic and commercial non-potable 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. BioRid® 40i may be added at system inlet water or metered into the existing sodium hypochlorite piping to form a solution of sodium hypobromite. Consult your feeder manufacturer for correct procedure and proper use of the feeder equipment.

Wastewater Systems: When used as directed, BioRid® 40i effectively disinfects wastewater effluent. The quantity of BioRid® 40i required varies with the degree of fouling. Add sufficient BioRid® 40i and chlorine or sodium hypochlorite to achieve residual bromine levels of 0.3 ppm to 2.0 ppm when measured approximately five minutes after treatment.

Depending on the construction of the wastewater system, BioRid® 40i 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.

ACCEPTED

04/10/2025

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

2214-13



Directions for Use (continued)...

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 (Millipore Nutrient) procedure, of the disinfected effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

Re-circulating Cooling Water Systems Including Air Washers and Pasteurizing Systems: When used as directed, BioRid® 40i effectively controls bacteria, fungi, algae, slimes, related odors and the growth and settlement of mollusks such as zebra mussels (*Dreissena*) and Asiatic Clams (*Corbicula*) in commercial and industrial cooling towers, heat exchange systems, industrial scrubbing systems, brewery/cannery and pasteurizing systems, evaporative condenser water systems, air wash water systems, food processing water systems, pulp and paper mills, and domestic and commercial non-potable water systems.

Industrial Once-Through Cooling Water Systems: When used as directed, BioRid® 40i effectively controls bacteria, fungi, algae, slimes, related odors and the growth and settlement of mollusks such as the zebra mussel (*Dreissena*) and Asiatic Clams (*Corbicula*) in re-circulating and once-through fresh and sea water cooling systems. Apply BioRid® 40i 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 BioRid® 40i and chlorine or sodium hypochlorite to achieve a residual bromide level of 0.5 to 2.0 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 sodium hypochlorite (12.5%) for each gallon of BioRid® 40i.

Subsequent Dose: When microbial control is evident, apply sufficient BioRid® 40i and chlorine or sodium hypochlorite to achieve a residual bromide level of 0.5 to 1.0 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 sodium hypochlorite (12.5%) for each gallon of BioRid® 40i.

This product may be added to the system either continuously, 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 this product always be used in a manner such that effluent discharges meet NPDES guidelines.

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.

Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

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