

82760-1

7/8/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

Bulk Chemical Services, LLC
1303 Boyd Avenue NW
Atlanta, GA 30318

Subject: BCS 3502A
EPA Registration No: 82760-1
Application Date: March 10, 2014
Receipt Date: March 13, 2014

JUL 8 2014

Dear Ms. McWilliams:

The application referred to above, submitted under the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable under (FIFRA) 3(c)(7)(A)

Proposed Amendment:

- Amendment to the Directions for use section

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.13 (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 it's implementing regulation at 40 CFR 152.3.

If you have any questions concerning this letter, please contact Zebora Johnson at (703) 308-7080.

Sincerely

Eric Miederhoff
Acting Product Manager (33)
Regulatory Management Branch I
Antimicrobial's Division (7510+P)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic symptoms in hyper-reactive individuals. Do not get in eyes, on skin, on clothing. Do not breathe vapor. Do not swallow. Wear goggles, protective clothing, and heavy rubber gloves. Wash thoroughly with soap and water after handling and eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, rivers, or other bodies of water. Do not apply directly to water, to the surface of water, or to any aquatic organisms. Follow label directions for application. Do not apply to crops, animals, or humans. Do not use in or near waterways. Do not use in or near waterways. Do not use in or near waterways. Do not use in or near waterways.

BCS 3502A

A highly effective Microbiocide for use in controlling Bacteria including Slime Forming Bacteria and Sulfate-Reducing Bacteria, Fungi (Yeast and Molds) and Algae in Air Washers and Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems. Including those that contain Reverse Osmosis Membranes and Process Water and Auxiliary Systems. Heat Transfer Systems, Wastewater Systems including Wastewater Sludge and Holding Tanks, Beet Sugar Mills and Beet Sugar Mill Process Water Systems, Paper Mills and Paper Mill Process Water Systems, Pigments and Filler Slurries for Paper and Paperboard, Water Based Coatings for Paper and Paperboard and for use by Manufacturers as a Preservative in Industrial, Institutional and Consumer Processes and Products and for use in Preserving Applications, Oil Field Water Systems, Gas Production and Transmission Pipelines and Systems, and Gas Storage Fields and Equipment such as Steam-Injection Water Holding Tanks, Flood Water, Injection Water, Holding Pond Water, Disposal-Well Water, Water Holding Tanks, Fuel Storage Tanks and related Refinery and Oil Field Closed, Industrial Recirculating Water Handling Systems and for use by Manufacturers and Formulators in Formulating Products for Oil Field Applications.

Active Ingredient: Glutaraldehyde 50%
Inert Ingredients: 50%
Total: 100%

WATER BASED CONVEYOR LUBRICANTS
(Brewery, Juice, Dairy, Beverage, and Food Processing Systems)
Those who clean all trucks and conveyors to prevent gross soil. Rinse well. Use an automatic feed system as recommended by your BCS representative to provide 1.1 to 6.0 fluid ounces (50 to 300 ppm active) of BCS 3502A per 100 gallons of diluted lubricant.

GENERAL PRESERVATIVE USE
BCS 3502A is recommended for use in aquaria and water containing products and systems, including industrial, institutional and consumer in-pipe processes and preservation, add BCS 3502A to the product formulation at a rate of 0.02% to 0.20% (200 to 2,000 ppm) based on the water content of the product (0.2 to 2.0 lbs of BCS 3502A per 1,000 lbs of water content). Mix uniformly.

PRESERVATIVE FOR CONCENTRATES
For use in concentrates, BCS 3502A should be added after dilution. Add BCS 3502A to the product formulation at a rate such that the diluted end-use preservation will contain 0.02% to 0.20% BCS 3502A. At no time during the preservation process should the level of BCS 3502A exceed 0.20%.

REVERSE OSMOSIS MEMBRANES
(Where approved for compatibility by membrane manufacturer.) Reverse osmosis elements in a tank containing 0.2% to 2.0% BCS 3502A can also be added to in-line recirculating systems for preservation of installed out-of-service reverse osmosis elements. Add BCS 3502A to the tank in the circulating system. Maintain the concentration of BCS 3502A by periodic addition to concentrate any system leakage.

CONCRETE ADMIXTURES
For effective preservation of concrete admixtures, add BCS 3502A to the product formulation at a rate of 0.02% to 0.20% (200 to 2,000 ppm) based on the concrete admixture (2.0 to 8.0 lbs of BCS 3502A per 1,000 lbs. concrete admixture). Mix uniformly.

WATER FLOODS
BCS 3502A should be added to a water flood system at a point of uniform mixing. Initial Treatment: When the system is necessary contaminated, add 100 to 5,000 ppm BCS 3502A to the water flood. Subsequent treatments should be made at 100 to 5,000 ppm BCS 3502A. (0.02 to 0.4 gallons BCS 3502A per 1,000 gallons food water). When microbial control is evident, add 20 to 5,000 ppm BCS 3502A (0.02 to 0.4 gallons BCS 3502A per 1,000 gallons food water) to the system (weekly), or as needed to maintain control.

FRACK FLUIDS
Product not registered for this use in the State of California.
BCS 3502A reduces bacterial contamination and degradation of fracturing fluids and gas used in oil and gas well stimulations. Add BCS 3502A to the pre-water storage down-hole. Dose: Frack 3502A should be added at a rate of 100 to 3,000 ppm (0.9 - 44.3 gallons BCS 3502A per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS
BCS 3502A is a highly effective water-based drilling fluid system at a point of uniform mixing such as the circulating mud system.
Initial Treatment: Add 50 to 1,000 ppm BCS 3502A (0.2 to 3.7 gallons BCS 3502A per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Subsequent treatments should be made at 100 to 5,000 ppm BCS 3502A (0.2 to 3.7 gallons BCS 3502A per 100 barrels of additional fluid), or as needed, depending on the severity of contamination.

PACER FLUIDS
BCS 3502A should be added to the water portion of a pacer fluid system such as a water-based pacer fluid. Add 50 to 1,000 ppm BCS 3502A (0.2 to 3.7 gallons BCS 3502A per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated pacer fluid in the well between the casing and production tube.

OIL PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS
BCS 3502A Antimicrobial should be added to an oil production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of BCS 3502A. Antimicrobial throughout the entire internal pipeline system. Add BCS 3502A to the water portion of the pipeline. Or, for maximum concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the BCS 3502A Antimicrobial with water. The volume of water in the pipeline, injections to the system should be weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS
Individual injection wells should be treated with sufficient quantity of BCS 3502A to produce a concentration of 500 to 5,000 ppm BCS 3502A when diluted by the water present in the formation. Injection should be made at least once a week. Initial Treatment: Individual dips should be treated with a sufficient quantity of BCS 3502A to produce a concentration of 200 to 2,000 ppm BCS 3502A when diluted by the water present in the dip. Injections should be repeated yearly, or as needed to maintain control.

HYDROTREATING
Water used to hydrate pipelines should be treated with 100 to 1,000 ppm BCS 3502A (0.08 to 3.5 gallons BCS 3502A per 1,000 gallons water). Depending on water quality and length of line the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS
Add BCS 3502A to a slug of water immediately following the scraper (Ideally this water volume can be kept to a minimum and contained between the scraper and a second slug of water). Add BCS 3502A to the water immediately following the scraper at a rate of 0.1 to 1% (0.09 to 0.9 gallons BCS 3502A per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID

If swallowed:

- Call a poison control center or a doctor immediately for treatment advice.
- Do NOT INDUCE VOMITING.
- Do not give anything to drink.

If in eyes:

- Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.

If on skin or clothing:

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

If inhaled:

- Call a poison control center or a doctor for treatment advice.
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

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

IN CASE OF EMERGENCY endangering life or property involving this product, call 800-535-5053

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Bulk Chemical Services
1303 Boyd Avenue, NW
Atlanta, GA 30318

ACCEPTED
JUL 18 2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the Pesticide Registration and Enforcement Division, U.S. Environmental Protection Agency, Washington, DC 20460-0001

Net Contents: 5, 15, 30, 55, 275, 550 Gallons (20, 60, 110, 1100, 2200 Liters)

CONTAINER SIZE	CORROSIVE LIQUID, TOXIC, N.O.S.
NAME	(CONTAINS GLUTARALDEHYDE)
HAZARD CLASS	ID NUMBER UN2922
HAZARD (6.1)	PGII
LOT NUMBER:	

STORAGE AND HANDLING
BCS 3502A is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. BCS 3502A can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -6° F (-21° C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100° F (37.8° C) can be tolerated but the preferred maximum storage temperature is about 80° F (26.7° C). A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFELON Polymer is suitable for gaskets and packing. Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

LIMITED WARRANTY AND DISCLAIMER
Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

BEFORE HANDLING OR USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ CURRENT MATERIAL SAFETY DATA SHEET.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal. Dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be used or by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: 5, 15, 30, 55, 275, 550 GALLON and BULK METAL OR PLASTIC CONTAINERS: Refillable container. Refill this container with glutaraldehyde only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Prior to final disposal, triple rinse container as follows: Empty the remaining contents into application equipment or mix tank, fill the container with water, replace and tighten closure. Fill container with water and roll back and forth, ensuring at least one complete revolution. 30 seconds. Stand the container on its end and tip it back and forth several times. Empty remaining into application equipment or mix tank or store in suitable for later use. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a secondary landfill, or other procedures approved by state and local authorities. PESTICIDE CONTAINERS: May be incinerated, or otherwise disposed of by state and local authorities. Do not burn; stay out of smoke. METAL CONTAINERS: Do not burn; stay out of smoke. Do not cut or weld on or near metal containers.

NOTICE
Do Not Ship to Store
With Food, Feeds,
Drugs, or Clothing

57626-02-0000

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with the label directions.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS
This product may be used only in industrial air washers and air washer systems. BCS 3502A should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the water inlet. Addition may be made directly into the water system. Do not add BCS 3502A to the water system if the water is already being treated with a biocide. BCS 3502A should be added to the water system at a point of uniform mixing such as the water inlet. Do not add BCS 3502A to the water system if the water is already being treated with a biocide. BCS 3502A should be added to the water system at a point of uniform mixing such as the water inlet. Do not add BCS 3502A to the water system if the water is already being treated with a biocide.

BEET SUGAR MILLS AND PAPER MILLS PROCESS WATER SYSTEMS
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