



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

3635-1

Date of Issuance:

7/19/23

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

MBC 25:12N

Name and Address of Registrant (include ZIP Code):

Jeremy D Malone
 Spring Regulatory Sciences
 Consultant for DuBois Chemicals, Inc.
 Electronic Transmittal: jeremy@springregulatory.com

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman, Product Manager 33
 Regulatory Management Branch II
 Antimicrobials Division (7510M)

Date:

7/19/23

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Alkyl dimethyl benzyl ammonium chloride (ADBAC): GDCI-069105-1679
 - b. Glutaraldehyde: GDCI-043901-1668

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 3635-1.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

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) lists 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 Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated: 5/12/2023
- Alternate CSF 1 dated: 5/12/2023
- Alternate CSF 2 dated: 5/12/2023
- Alternate CSF 3 dated: 5/12/2023

If you have any questions, please contact Srinivas Gowda by phone at 202-565-0078, or via email at srinivas.gowda@epa.gov.

Enclosure: Stamped Label

A C C E P T E D

07/19/2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 3635-1

[Denotes Optional Text]
{Denotes Notes to EPA Reviewer}
{EPA Master Label – MBC 25:12N; label version date 7/19/2023}
{Front Panel start}

MBC 25:12N

**Water Treatment Microbiocide for Oil Field Water Floods
Systems and Building and Industrial Cooling Towers
Systems**

ACTIVE INGREDIENT(S):

Glutaraldehyde25.0%

Aklyl (50% C₁₄, 40% C₁₂, 10% C₁₆) dimethyl benzyl ammonium chlorides.....12.0%

INERT INGREDIENTS.....63.0%

TOTAL.....100.0%

KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional Precautionary Statements [inside booklet] [on [back panel] [side panel] [other panel]].

{Note to reviewer: First Aid may be listed in table or paragraph format. In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}

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 5 minutes, then continue rinsing. 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 inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If swallowed:	Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<ul style="list-style-type: none"> - Have the product container or label with you when calling a poison control center or doctor, or going for treatment. - For medical emergencies, call the poison control center at 1-800-222-1222. - For general information on this product, call 1-615-350-7070, 8-5 EST weekdays, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu. 	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	
In a chemical emergency, call CHEMTREC at 1-800-424-9300 for emergency medical treatment information.	

NET WEIGHT: ____ lbs [(____ kg)]

NET CONTENTS:

5 Gal (18.93 L) 55 Gal (208.2 L) 275 Gal (283.91L) BULK

[Lot No. _____]
[Manufacture Date: _____]
[Best if used by: _____]
{End Front Panel}

{Note to Reviewer: Optional Marketing Claims – can appear anywhere on the label “This Product” may be replaced with product name anywhere on the label}

[This product] is for use in *[insert location]*

For use *[in] [on] [insert location]*.

[LOCATIONS]

- [Commercial] [Industrial] Air washers
- [Commercial] [Industrial] cooling water towers
- [Commercial] [Industrial] recirculating cooling water towers
- Drilling, completion and workover fluids systems
- Oil field water flood systems [and fracturing fluid systems]
- Packer fluid systems

[MARKETING CLAIMS]

- This product is a microbiocide for use in controlling sulfate-reducing bacteria (SRB) and slime forming bacteria in oil well drilling, oil field processing applications, oil field water systems, oil and gas productions and transmission pipelines and systems.
- This product is for control of algae, algal, fungal and bacterial slimes in recirculating water systems and water cooling systems, oil field water flood systems.
- This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations.
- To control algae and bacterial slimes, use this water treatment microbiocide as directed.
- A water treatment microbiocide for industrial and/or commercial recirculating cooling water towers, retort water systems and flood systems and fracturing fluids.
- Reduces algae and algal slime growth in industrial and/or commercial recirculating cooling water towers.
- Cooling tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of the dosages on the label.
- Effective against the growth of algae.
- Helps inhibit the growth of unsightly algae.
- Is a microbiocide that helps clean and loosen slime debris from cooling and flooding system surfaces.
- Is a water treatment microbiocide that will control algae and bacterial slimes found in recirculating cooling tower waters.
- The residual effectiveness of this algaecide tends to stabilize the total chemical treatment system.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through skin. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Avoid vapor or spray mist. Wear protective eyewear such as goggles, face shield or safety glasses. Wear coveralls worn over long-sleeve shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves, and wear a chemical-resistant apron, when mixing and loading. Wear a NIOSH-approved respirator with an organic vapor (OV) cartridge with a combination N, R, or P filter with NIOSH approval number prefix 84A, or NIOSH approved gas mask with an organic vapor canister with NIOSH approval number prefix TC-14G; or a NIOSH approved powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC 23C. 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 before use. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

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

The open pouring of glutaraldehyde solutions must be limited to low volume applications where the amount of concentrate handled is less than five gallons per day.

Automatic addition systems that minimize operator exposure to the concentrated product must be used when handling larger amounts of glutaraldehyde. If this is not feasible then local exhaust ventilation must be used to reduce glutaraldehyde exposure.

WATER TREATMENT MICROBICIDE FOR BUILDING AND INDUSTRIAL COOLING TOWERS SYSTEMS

COOLING TOWERS, AIR WASHERS AND RECIRCULATING COOLING WATER SYSTEMS

MBC 25:12N product should be added to a water treatment system at a point of uniform mixing such as the basin area. Addition may be made intermittently (Slug Dose) or continuously. Badly fouled systems can be shock treated with MBC 25:12N. Under these conditions, blow down should be discontinued for up to 24 hours.

INTERMITTENT (SLUG DOSE) METHOD

1. Initial Dose: When the system is noticeably fouled, add 100-160 ppm (0.10–0.16 gallons) of MBC 25:12N [(37-59 ppm total active) (25-40 ppm active Glutaraldehyde) (12-19 ppm ADBAC)] per 1000 gallons of water to the system. Repeat until control is achieved.

2. Subsequent Dose: When microbial control is evident, add 40-100 ppm (0.04-0.10 gallons) of MBC 25:12N [(15-37 ppm total active) (10-25 ppm active Glutaraldehyde) (5-12 ppm ADBAC)] per 1000 gallons of water to the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

3. Initial Dose: When the system is noticeably fouled, add 100-160 ppm (0.10–0.16 gallons) of MBC 25:12N [(37-59 ppm total active) (25-40 ppm active Glutaraldehyde) (12-19 ppm ADBAC)] per 1000 gallons of water in the system.

4. Subsequent Dose: Maintain this treatment level by starting a continuous feed of 20-100 ppm (0.02-0.10 gallons) of MBC 25:12N [(7.5-37 ppm total active) (5-25 ppm active Glutaraldehyde) (2.5-12 ppm ADBAC)] per 1000 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

HEAT TRANSFER SYSTEMS (Evaporate Condensers, Hydrostatic Sterilizers and Retorts and Pasteurizers and Warmers).

MBC 25:12N should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as the basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

WATER TREATMENT MICROBIOCIDES FOR OIL FIELD WATER FLOODS SYSTEMS WATER FLOODS

MBC 25:12N should be added to a water flood system at a point of uniform mixing such as the area of addition of make up water to the holding tank.

Initial Treatment: When the system is noticeably contaminated, add 90-180 ppm MBC 25:12N (0.09-0.18 gallons) MBC 25:12N [(33-67 ppm total active) (22.5-45 ppm active Glutaraldehyde) (11-21.5 ppm ADBAC)] per 1000 gallons flood water. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 90-180 ppm MBC 25:12N (0.09-0.18 gallons) MBC 25:12N [(33-67 ppm total active) (22.5-45 ppm active Glutaraldehyde) (11-21.5 ppm ADBAC)] per 1000 gallons flood water weekly, or as needed to maintain control.

FRACTURING FLUIDS

MBC 25:12N should be added to a fracturing fluid at a point of uniform mixing such as the area of addition of make up water to the holding tank.

Initial Treatment: When the system is noticeably contaminated, add 90-180 ppm MBC 25:12N (0.09-0.18 gallons) MBC 25:12N [(33-67 ppm total active) (22.5-45 ppm active Glutaraldehyde) (11-21.5 ppm ADBAC)] per 1000 gallons of fracturing fluid. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 90-180 ppm MBC 25:12N (0.09-0.18 gallons) MBC 25:12N [(33-67 ppm total active) (22.5-45 ppm active Glutaraldehyde) (11-21.5 ppm ADBAC)] per 1000 gallons fracturing fluid weekly, or as needed to maintain control.

DRILLING MUDS

MBC 25:12N should be added to a drilling fluid system at a point of uniform mixing such as a circulating tank.

Initial Treatment: Add 50-1000 ppm MBC 25:12N (0.21-4.2 gallons) MBC 25:12N [(18.5-370 ppm total active) (12.5-250 ppm active Glutaraldehyde) (6-120 ppm ADBAC)] per 100 barrels [(42 gallon barrels)] of fluids to a freshly prepared drilling fluid depending on the severity of contamination.

Maintenance Dosage: As the total volume of the system increases due to increased well depths, maintain 50-1000 ppm MBC 25:12N level by adding 0.21-4.2 gallons of MBC 25:12N [(18.5-370 ppm total active) (12.5-250 ppm active Glutaraldehyde) (6-120 ppm ADBAC)] per 100 barrels [(42 gallon barrels)] of additional fluid, or as needed, depending on the severity of contamination.

COMPLETION AND WORKOVER FLUIDS

MBC 25:12N should be added to a packer fluid at a point of uniform mixing such as a circulation holding tank. Add 50-1000 ppm MBC 25:12N (0.21-4.2 gallons) MBC 25:12N [(18.5-370 ppm total active) (12.5-250 ppm active Glutaraldehyde) (6-120 ppm ADBAC)] per 100 barrels [(42 gallon barrels)] of fluid to freshly prepared fluid depending on the severity of contamination. Circulate the workover fluid system until the fluid returns clean, shut the system down and idle for several hours. Remove all the workover fluid. The well should be ready for productive use.

PACKER FLUIDS

MBC 25:12N should be added to a packer fluid at a point of uniform mixing such as a circulation holding tank. Add 50-600 ppm MBC 25:12N (0.21-2.52 gallons) MBC 25:12N [(18.5-222 ppm total

active) (12.5-150 ppm active Glutaraldehyde) (6-72 ppm ADBAC)]per 100 barrels [(42 gallon barrels)] of fluid to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

USE AS HYDROGEN SULFIDE SCAVENGER (NON-BIOCIDAL)

This product may also be used as a hydrogen sulfide scavenger in oil field processing and refining operations. For hydrogen sulfide scavenging application, inject MBC 25:12N full strength to attain concentrations of up to 500 ppm of active ingredient in target areas on a continuous basis or in slug treatment.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container [(or equivalent)] promptly after emptying. Triple rinse as follows: Fill the container ¼ 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 back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

WARRANTY

To the fullest extent permitted by law, neither the manufacturers nor the seller make any warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use of this material when such use is contrary to label instructions. Read and follow the label directions carefully.

Manufactured by:



DuBois Chemicals
3630 E. Kemper Road
Cincinnati, OH 45241

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