

6836-216 1074

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS 767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 6836-216	DATE OF ISSUANCE FEB 24 1995
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>		
NAME OF PESTICIDE PRODUCT LONZA MICROBIOCIDICIDE 50		

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Lonza, Inc
 17-17 Route 208
 Fair Lawn, NJ 07410

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

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 6836-216".
 - b. The use dilutions are incorrect. i.e. 5 oz doesn't equal 200 ppm. Our calculations indicate that 5 oz would equal only about 20 ppm active. Correct all the dilutions on the label accordingly.
 - c. Add the heading: Net Contents

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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- d. The signal word: "Danger" appears to be too small. Increase the type size to at least 18 points.
- e. The ingredient: "dimethyl benzyl ammonium" is considered three separate words.
- f. Revise the heading: Metal Containers to read: Container Disposal
- g. Add the following additional precautionary statement: Wash thoroughly with soap and water after handling.
- h. Delete the statement: Measures against circulatory shock, respiratory depression, and convulsion may be needed. Cautions intravenous injections of short-acting barbiturate drug may be needed.
- i. Revise the misuse statement to read as follows:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- j. Revise the statement: "Remove and wash contaminated clothing before reuse" to read:

Remove contaminated clothing and wash before reuse.
- k. Delete the word: Prevent (third paragraph back panel)
- l. Delete the letter "s" since only one active ingredient is declared on the label.

3. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Submit one (1) copy of the final printed label prior to release of the product for shipment.

A stamped copy of the label is enclosed for your records.

Sincerely,

Walter C. Francis
Acting Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

CONCURRENCES

SYMBOL	7504							
SURNAME	V. Gonzalez							
DATE	2/24/91							

LONZA MICROBIOCIDE 50
Controls anaerobic sulfate-reducers and aerobic heterotrophic bacteria in oil field and petro-chemical water injection systems.

APPROVED FOR SALE
 WITH COMMENT
 to EPA Label

FEB 24 1981

Active Ingredients: Alkyl (C₁₄-58%, C₁₆-28%, C₁₂-14%) dimethylbenzylammonium chloride
 Inert Ingredients:

Under the
 Federal Insecticide, Fungicide, and Rodenticide Act
 6836-21

CAS. NO: MIXTURE
 EPA Reg. No. 6836-
 EPA EST. No. 6836-IL-1

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER! CORROSIVE. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

STATEMENT OF PRACTICAL TREATMENT
 In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, **DO NOT** induce vomiting, drink large quantities of water and call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed. Caution: intravenous injections of short acting barbiturate drug may be needed.

ENVIRONMENTAL HAZARDS
 This product is toxic to fish. Do not discharge effluent containing this active ingredient 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 OR CHEMICAL HAZARDS
DO NOT USE OR STORE NEAR HEAT

STORAGE AND DISPOSAL
 Store only in closed container in a cool area. Isolate leaking containers. Clean up spills and place in plastic lined containers for disposal. Do not reuse or feed by storage or disposal.

PESTICIDE DISPOSAL
 Pesticide wastes are acutely hazardous. Improper disposal of solid or liquid waste, or mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by the procedures in this label, contact your State Pesticide Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

METAL CONTAINERS
 Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by local authorities.

BEST AVAILABLE

OIL FIELD AND PETROCHEMICAL SUBSURFACE INJECTION SYSTEMS

Biological requirements vary from site to site. Areas frequently requiring control are raw water sources, mixing tanks, screens, and the formation itself. The primary treatment location will vary from site to site depending on the site problems, water flood treatment methods and equipment. The microbiocide should be applied where it will dispense most rapidly and uniformly to the desired area of treatment. This may be at screens, filters, pumps, mixing tanks, storage tanks, pre-filter water, to the water as it is pumped to the formation or it may be pumped directly to the formation.

SLUG DOSES: An effective treatment for aerobic heterotrophic bacteria is 5-21 ounces of Lonza Microbiocide 50 per 1,000 gallons (200-800 ppm). A slug dose for anaerobic sulfate-reducers is 1.6-6 ounces of Lonza Microbiocide 50 per 1,000 gallons (60-230 ppm). The appropriate slug dose should be applied for three to eight hours daily until the desired level of control is achieved. To maintain the system in an acceptable manner, utilize a continuous treatment with the microbiocide or apply intermittent doses.

INTERMITTENT DOSES: To prevent a clean system from fouling, slug doses may be applied intermittently. The frequency of intermittent doses will vary with individual systems and can be established only through experience. Intermittent doses may be required 2 to 3 times a week in some systems. Other systems may require dosing once a week or once every two weeks. For heterotrophic bacteria, use 5-21 ounces of Lonza Microbiocide 50 per 1,000 gallons (200-800 ppm). For anaerobic sulfate reducers, use 1.6-6 ounces of Lonza Microbiocide 50 per 1,000 gallons (60-230 ppm). Maintain these doses for two to eight hours, depending upon the requirements of your system.

CONTINUOUS TREATMENT: Fouled systems should be slug treated to get initial control, followed by continuous treatment to maintain control. Use 1.6-5 ounces of Lonza Microbiocide 50 per 1,000 gallons (60 to 200 ppm). The lower dose concentration is usually satisfactory for Desulfovibria. Higher doses may be needed for the aerobic heterotrophic bacteria.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 24 1995

6836-216

BEST AVAILABLE COPY