



003377-00044-040699

Printed: 10:57:45 Friday, 25 Jun, 1999 # 57 / 3508

Systems Integration Group, Inc.

PM 31

3377-44

4-6-99

10/3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Albemarle Corporation  
451 Florida Street  
Baton Rouge, LA 70801

APR 06 1999

ATTENTION: Sandra Holub

SUBJECT: BD1416MD-5 Biocide  
EPA Registration Number 3377-44  
Your Amendment Dated October 6, 1998

The Amendment referred to above, submitted in connection with FIFRA as amended, is acceptable subject to the following conditions.

**Product Chemistry**

The additional submitted product chemistry data satisfies the data requirements for Guidelines 61, 62, and 63 (MRID#'s 44670201 and 44670202). The Confidential Statements of Formula (CSFs) for the basic formulation dated 10/6/98 are acceptable, are in compliance with PR Notice 91-2 and agree with the label.

**Acute Toxicity Profile**

This acute toxicity profile is based on the data on file for n-Alkyl ( $C_{12}$  40%,  $C_{14}$  50%,  $C_{16}$  10%) dimethyl benzyl ammonium chloride (069105).

<u>Guideline</u>	<u>Study</u>	<u>Category</u>
81-1	Acute Oral	II
81-2	Acute Dermal	III
81-3	Acute Inhalation	III
81-4	Primary Eye Irritation	I
81-5	Primary Skin Irritation	I
81-6	Dermal Sensitization	waived

CONCURRENCES							
SYMBOL	7510C						
SURNAME	J. L. L. L.						
DATE	4/6/99						

EPA Form 1320-1A (1/90)

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# Label Comments

The Agency inadvertently asked you to delete your "Note to Physician". This was in error. Your label is required to include the following statement: **"Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage."

Based on the acute toxicity profile, the following sentences must be added to the **"Precautionary Statements"**: "Harmful if absorbed through skin. Harmful if inhaled." Also revise the **"First Aid"** statement to include the following: "IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

Your product only supports the use sites listed on your label "For Use by Manufacturers Only in Formulating Water Treatment Microbiocides". If you wish to add additional sites as per your attachment to the Certification With Respect to Citation of Data Form, you must do so by adding those sites to the label via the submission of an amendment. (Note: This product's active ingredients may not support all of the use sites listed on your attachment.)

The following statements are inappropriate for this product and must be removed from the label. Remove "Formulators are required to add the following label statements to their end use product labels. Do not use water containing residue from this product to irrigate crops used for food or feed."

Please note that the "EPA Est. No." must indicate the location of the final phase of production of this product.

A stamped copy of the label is enclosed for your records. Please submit one copy of the final printed label. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

7510C:T.Lantz:4/5/99:3377-44b

## CONCURRENCES

SYMBOL								
SURNAME								
DATE								

**PRECAUTIONARY  
STATEMENTS  
HAZARDS TO HUMANS  
& DOMESTIC ANIMALS  
DANGER  
CORROSIVE**

Causes irreversible eye damage and skin burns. Do not get in eyes, or on skin, or on clothing. May be fatal if swallowed. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

**FIRST AID**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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 or open flame.

# ALBEMARLE® BD1416MD-5 BIOCIDIDE

**FOR USE BY MANUFACTURERS ONLY  
IN FORMULATING WATER TREATMENT MICROBICIDES**

**ACTIVE INGREDIENTS:**

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
dimethyl benzyl ammonium chloride	49.8%
n-Dialkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
methyl benzyl ammonium chloride	0.2%

<b>INERT INGREDIENTS:</b>	50.0%
<b>TOTAL:</b>	100.0%

**KEEP OUT OF REACH OF  
CHILDREN  
DANGER**

See left panel for additional precautionary statements

**ALBEMARLE CORPORATION**

451 Florida Street  
Baton Rouge, LA 70801

In case of an emergency endangering life or property  
involving this product, call collect (504) 344-7147.

EPA Reg. No. 3377-44  
EPA Est. No. 10324-IL-1

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:**

**APR 06 1999**

Batch No.

Net Contents

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

3377-44

**DIRECTIONS FOR USE**

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

**For Manufacturing Use Only**

Formulators using this product are responsible for EPA registration of their formulated products.

Formulators are required to add the following label statement to their end use product labels.

Do not use water containing residue from use of this product to irrigate crops used for food or feed.

**STORAGE AND  
DISPOSAL**

**1. PROHIBITIONS**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**2. STORAGE INSTRUCTIONS**

Store in original container. Keep from freezing.

**3. SPILL OR LEAK PROCEDURES**

Small spills may be mopped up, flushed away with water, or absorbed on, some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.

**4. PESTICIDAL 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 the use according to label instruction, contact your State Pesticide or Environmental Control agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**5. CONTAINER DISPOSAL**

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

(Plastic Containers) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of the smoke.