



003377-00039-040699

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Systems Integration Group, Inc.

PM 31

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

3377-39

4/6/99

1013

APR 06 1999

Albemarle Corporation
451 Florida Street
Baton Rouge, LA 70801

ATTENTION: Sandra Holub

SUBJECT: BQ 621-5 Biocide
EPA Registration Number 3377-39
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 44671001 and 44671002). The Confidential Statements of Formula (CSFs) for the basic formulation dated 10/6/98 are acceptable and are in compliance with PR Notice 91-2.

The "Ingredients Statement" on the label does not agree with the CSF. The label must be revised as follows: **Active Ingredient:** n-Alkyl dimethyl benzyl ammonium chloride (67% C₁₂, 25% C₁₄, 7% C₁₆, 1% C₁₈).

Acute Toxicity Profile

This acute toxicity profile is based on the data on file for n-Alkyl (C₁₂ 40%, C₁₄ 50%, C₁₆ 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 | CONCURRENCES Waived | | | | | |
| SYMBOL | 7510C | | | | | | |
| SURNAME | J. Lantz | | | | | | |
| DATE | 4/6/99 | | | | | | |

Additional 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."**

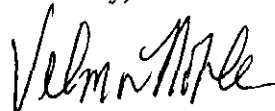
Your product only supports the use sites listed on your label "For Use by Manufacturers Only in Formulating Microbiocides, Disinfectants, Sanitizers, Fungicides and Water Treatment Microbiocides, Once Through Freshwater Cooling Systems and Wood Preservatives". If you wish to add additional sites as per 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 ingredient 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 "Formulator 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. Use of this product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited."

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:4/5/99:3377-39b

CONCURRENCES

| SYMBOL | SURNAME | DATE | | | | | | |
|--------|---------|------|--|--|--|--|--|--|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

**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® BQ621-5 BIOCIDE

**FOR USE BY MANUFACTURERS ONLY IN FORMULATING
MICROBICIDES, DISINFECTANTS, SANITIZERS,
FUNGICIDES AND WATER TREATMENT MICROBICIDES,
ONCE THROUGH FRESHWATER COOLING SYSTEMS, AND
WOOD PRESERVATIVES**

ACTIVE INGREDIENTS: 25.7%

n-Alkyl (67% C₁₂, 28% C₁₄, 7% C₁₆, 1% C₁₈)

dimethyl benzyl ammonium chloride 50.0%

INERT INGREDIENTS: 50.0%

TOTAL: 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. 3377-39
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.

3377-39

DIRECTIONS FOR

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. Use of this product in
either public/municipal or single or multiple family
private/residential potable/drinking water systems is strictly
prohibited. Use of the product in any cooling system that
discharges effluent within 1/4 mile of either a public/municipal
or single or multiple family private/residential potable/drinking
water intake is strictly prohibited.

**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

Pesticidal 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.

9/98