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

AUG 14 1997

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

Louise L. Wen, Ph.D.
Manager, Regulatory Affairs
Albemarle Corporation
451 Florida Street
Baton Rouge, LA 70801

Subject: WPS and Environmental Hazards Labeling Amendments and
Applications Manual

- | | |
|---------------------------------|------------------------|
| M-B-R 98 Fumigant | EPA Reg. No. 3377- 7 |
| M-B-R 2 Penetrating Fumigant | EPA Reg. No. 3377-16 |
| M-B-R 33 Soil Fumigant | EPA Reg. No. 3377-17 |
| M-B-R 98 Technical | EPA Reg. No. 3377-27 ✓ |
| M-B-R 75 Preplant Soil Fumigant | EPA Reg. No. 3377-30 |
- Your Letters Dated June 2, 1997

Dear Dr. Wen:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, are acceptable subject to the condition below.

On the front panel, delete "OVER" in the statement "IN ALL CASES OF OVER EXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY." because persons may not be aware that they are "over" exposed to methyl bromide.

The applications manual is acceptable subject to the following conditions:

1. On page 10, revise the last paragraph under **PLACARDING OF FUMIGATED AREAS** to include the information on chloropicrin such as the safe air concentration level.
2. On page 13, change "hey" to "they" in the first sentence after 4.

If these conditions are not complied with, the subject registrations will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release of the products for shipment constitutes acceptance of these conditions. Please submit one copy each of your final printed labeling before you release the products for shipment. Stamped copies of the labels and applications manual are enclosed for your records.

If you have any questions, then please contact Terri Stowe of my staff at (703) 305-6117.

Sincerely,

Mary L. Waller

Mary L. Waller
Acting Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosures

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M-B-R 98 TECHNICAL

A NEMATICIDE, INSECTICIDE, HERBICIDE
FOR FORMULATION INTO END-USE PRODUCTS
INTENDED FOR USE ONLY AS A SOIL FUMIGANT

97 JUN -4 P 4:03

RECD EPA/OPP/DPD1

ACTIVE INGREDIENT:
Methyl Bromide.....98%
INERT INGREDIENT:
Chloropicrin.....2%

KEEP OUT OF REACH OF CHILDREN

DANGER

PELIGRO



POISON

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.)

**IN ALL CASES OF OVER EXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY.
TAKE PERSON TO A DOCTOR OR EMERGENCY TREATMENT FACILITY.**

IF INHALED - Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, apply artificial respiration. Do not give anything by mouth to an unconscious person.

IF ON SKIN - Immediately remove contaminated clothing, shoes, and any other item on skin. Wash contaminated skin area thoroughly with soap and water.

IF IN EYES - Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

ALBEMARLE CORPORATION
451 Florida Street
Baton Rouge, LA 70801

**ACCEPTED
with COMMENTS
in EPA Letter Dated
AUG 14 1997**

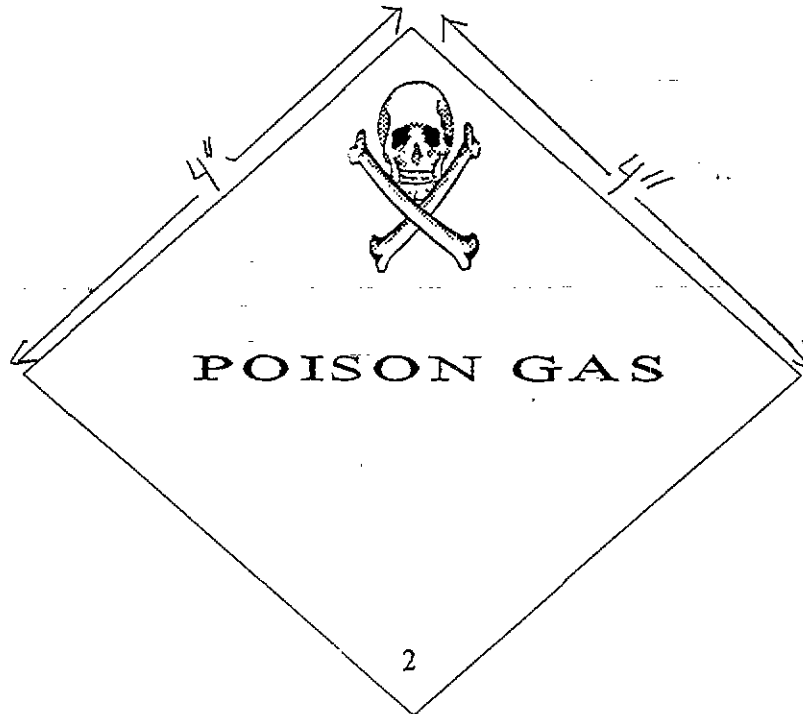
In case of an emergency endangering life or property
involving this product, call collect (504) 344-7147.

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
3377-27**

EPA Reg. No. 3377-27
EPA Est. No. 3377-AR-1
NET CONTENTS.....LBS.

METHYL BROMIDE
LIQUID
UN1062
INHALATION HAZARD

4/6



WARRANTY

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

WARNING

Contains Methyl Bromide, a substance which harms public health and environment by destroying ozone in the upper atmosphere.

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DIRECTIONS FOR USE

It is a violation of federal law to use this product in any manner inconsistent with its labeling.

M-B-R 98 Technical may be used only for repackaging or formulating into an economic poison. Registration by the U.S. Environmental Protection Agency is required before the new product can be lawfully distributed in interstate commerce.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER

EXTREMELY HAZARDOUS LIQUID AND VAPOR UNDER PRESSURE. DO NOT BREATHE VAPOR. INHALATION MAY BE FATAL OR CAUSE SERIOUS ACUTE ILLNESS OR DELAYED LUNG, NERVE OR BRAIN INJURY. LIQUID OR VAPOR CAN CAUSE SERIOUS SKIN OR EYE INJURY WHICH MAY HAVE A DELAYED ONSET. DO NOT GET LIQUID ON SKIN, IN EYES OR ON CLOTHING.

This product contains chloropicrin as a warning odorant. Chloropicrin may be irritating to the upper respiratory tract, and even at low levels cause painful irritation to the eyes, producing tearing. If these symptoms occur, leave the fumigation area immediately.

NOTE TO PHYSICIAN

Early symptoms of overexposure are dizziness, headache, nausea and vomiting, weakness and collapse. Lung edema may develop in 2 to 48 hours after exposure, accompanied by cardiac irregularities; these effects are the usual cause of death. Repeated overexposure can result in blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Blood bromide levels suggest the occurrence, but not the degree, of exposure. Treatment is symptomatic. See the product MSDS for additional information.

PERSONAL PROTECTIVE EQUIPMENT

Wear loose-fitting or well ventilated long-sleeved shirt and long pants, shoes and socks, full-face shield or safety glasses with brow and temple shields when handling liquid product (Do NOT wear goggles.) A respirator is required if the acceptable air concentration level (5ppm) for methyl bromide is exceeded at any time. The respirator must be one of the following types: (a) a supplied air respirator (MSHA/NIOSH approved number prefix TC-19-C); (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approved number prefix TC-13F); Do not wear jewelry, gloves, goggles, rubber protective clothing, or rubber boots when handling. Methyl bromide is heavier than air and can be trapped inside clothing and cause skin injury. If liquid spills or splashes on clothing, shoes or socks, remove them immediately. Do not reuse until the clothing is thoroughly aerated or ventilated and cleaned. Discard clothing and shoes that have been heavily drenched or contaminated with this product.

STORAGE AND DISPOSAL

STORAGE AND HANDLING

Store in secure manner either outdoors under ambient conditions or indoors in a well ventilated area. Post as a pesticide storage area. Do not contaminate water, food, or feed by storage or disposal.

Store cylinders upright, secured to a rack or wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging, or sliding. Do not use rope slings, hooks, tongs or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

Do not remove valve protection bonnet and safety cap until immediately before use. Replace safety cap and valve protection bonnet when cylinder is not in use.

CONTAINER DISPOSAL

When cylinder is empty, close valve, screw safety cap onto valve outlet, and replace protection bonnet before returning to shipper. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Follow registrant's instructions for return of empty or partially empty cylinders.

When tank car is unloaded, close all valves, and replace plugs or caps securely on valve outlets. Close and secure dome cover. Prior to shipment of emptied car back to shipper, reverse placard.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticides 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 representatives at the nearest EPA Regional Office for guidance.

SPILL AND LEAK PROCEDURES

Evacuate everyone from the immediate area of the spill or leak. For entry into affected area to correct problem, wear the personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling. Move leaking or damaged containers outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow spilled fumigant to evaporate. Only correctly trained and PPE equipped handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until the air concentration level of methyl bromide is measured to be less than 5 ppm.

Contaminated soil, water, and other cleanup debris is a toxic hazardous waste. Report spill to the National Response Center (800-424-8802) if the reportable quantity of 1000 lbs. is exceeded.

ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife. 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 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.

CHEMICAL HAZARD

M-B-R 98 Technical is nonflammable. There is no danger from fire or explosion in use concentrations. However, flame can change the chemical to produce some corrosive damage to items in the space being fumigated. Pilot lights and glowing wire heaters should be turned off.

Do not apply gas directly to metal surfaces because of possible corrosive effect on certain metals.

Do not use containers or application equipment made of magnesium, aluminum or their alloys.

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