

# RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

1785  
PM16

# M-B-R 100

## PENETRATING FUMIGANT

FOR FUMIGATION OF COMMODITIES, STRUCTURES,  
AND

ACTIVE INGREDIENT:

METHYL BROMIDE ..... 100%

ACCEPTED  
DEC 12 1984  
Under the Federal  
Fungicide, and Nuisance  
Abatement Act, this product  
is exempted for the purpose of  
being registered under  
EPA Reg. No. 3377-15

KEEP OUT OF REACH OF CHILDREN

DANGER



POISON

SEND FOR A DOCTOR IMMEDIATELY  
IN CASE OF EXPOSURE

### STATEMENT OF PRACTICAL TREATMENT

IF INHALED - - Carry Patient To Fresh Air. Call Physician At Once. Make Sure Patient Can Breathe Freely. Keep Patient Warm. Give Artificial Respiration If Breathing Has Stopped. Oxygen Should Be Administered Only By Qualified Personnel

IF ON SKIN - Immediately Remove All Contaminated Skin Covering Including Shoes, Clothing And Adhesive Or Other Bandages. Wash Skin Thoroughly With Soap And Water. If Irritation Or Blisters Develop, Get Medical Attention. Do Not Reuse Shoes Or Clothing Until Free Of All Contamination.

IF IN EYES - Flush Immediately With Plenty Of Water For At Least 15 Minutes And Get Medical Attention.

NOTE TO PHYSICIAN - Keep Patient At Rest And Under Observation For 24 To 48 Hours.

ETHYL CORPORATION  
451 Florida Street  
Baton Rouge, LA 70801

**Ethyl** Chemicals Group

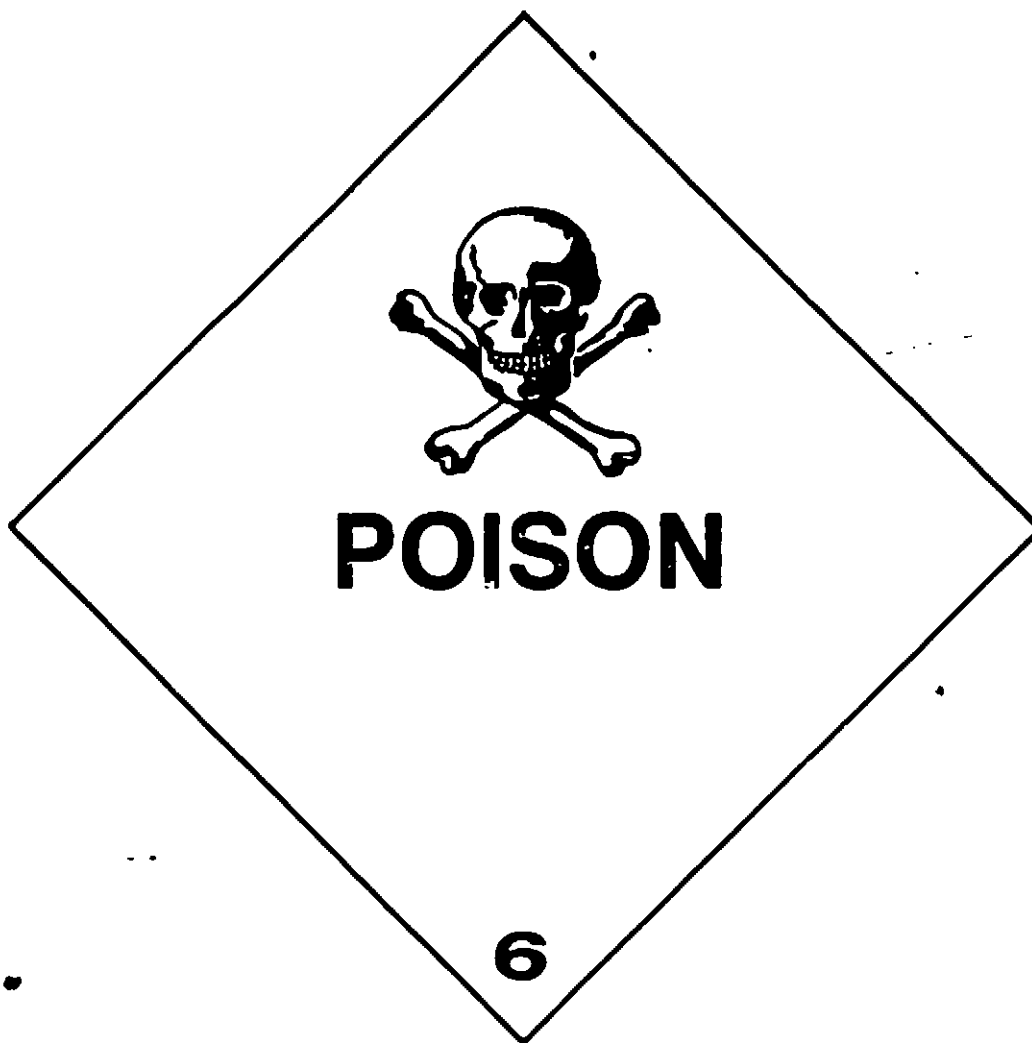
In case of an emergency endangering life or property involving this product, call collect (504) 344-7147

EPA Reg. No. 3377-15  
EPA Est. No. 3377-AR-1

NET CONTENTS ..... LBS.

18 pt  
12 pt  
18 pt in red  
in red

**METHYL BROMIDE  
LIQUID  
UN 1062**



**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.**

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS  
AND DOMESTIC ANIMALS**

12pt

**DANGER**

18pt

This fumigant is a highly hazardous material and must be handled with care only by those individuals experienced with its proper use. Consult your dealer representative or Ethyl Corporation for correct procedure. Before using, read and follow all label directions and product literature specific to your particular requirements.

**EXTREMELY HAZARDOUS LIQUID AND VAPOR  
UNDER PRESSURE  
INHALATION MAY BE FATAL OR CAUSE  
DELAYED LUNG INJURY  
LIQUID AND VAPOR CAUSE BURNS WHICH  
MAY BE DELAYED  
OBSERVE THE FOLLOWING PRECAUTIONS:**

12pt

**DO NOT BREATHE VAPORS:**

1. M-B-R 100 has no appreciable odor. Use only with adequate ventilation. Do not enter a treated area without respiratory protection unless you have checked the area with a Halide Gas Detector to make sure dangerous concentrations of gas are not present. If there is any doubt, wear a gas mask.

**RESPIRATORY PROTECTION**

A full face gas mask with an air supply (tank or airline) is recommended or wear a full face gas mask with black canister meeting specifications jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provision of 30, CFR, PART 11, where the vapor concentration is known to be under 2% by volume (5 lbs per 1000 cu. ft.). Read and follow the gas mask manufacturers recommendations, note carefully those regarding canister use periods. Destroy used canisters by crushing.

**DO NOT GET IN EYES, ON SKIN OR ON CLOTHING:**

2. Should shoes or clothing become contaminated, remove at once and do not wear again until aired outside for several days.
3. Do not wear gloves of any type, ordinary rubber protective clothing or boots.
4. Do not spill or discharge contents outside of areas confined for treatment.
5. Wear safety glasses when dispensing M-B-R 100.
6. Keep cylinders away from heat sources, such as heating devices.
7. Always have an assistant to aid in case of accidents when releasing fumigant from inside of a structure. Wear appropriate respiratory protection.
8. Keep animals, children and unauthorized people away from area under treatment until area is certified free of M-B-R 100.

**WARNING SIGNS**

Fumigated areas must be placarded on all entrances with signs containing at least the signal word Danger and the "Skull & Crossbones" and the words "Area under fumigation, do not enter until completely aerated, the date of fumigation, name of the fumigant used, emergency telephone number for contact, and the name and address of the fumigator. Do not remove warning signs until the fumigated area is completely aerated and safe for entry, as indicated by a suitable detector".

**BEST AVAILABLE COPY**

**STORAGE AND DISPOSAL**

12pt

**STORAGE**

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

Storage areas should be:

- (1) Secured by lock and key.
- (2) Posted as pesticide storage.
- (3) Away from dwellings and work areas.
- (4) Dry and cool.
- (5) Well ventilated.

**DISPOSAL**

Pesticide wastes are toxic. 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 representatives at the nearest EPA Regional Office for guidance.

**SPILL OR LEAK PROCEDURE**

Evacuate affected area, use respiratory protection and correct problem. Move cylinder outdoors or to an isolated location. Allow to evaporate. Do not permit re-entry to area until free of fumes.

Dispose of empty containers in non-cropland away from water supplies or follow official state and/or local recommendations for container disposal.

## DIRECTIONS FOR USE 7-12pt

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

## GENERAL INFORMATION

M-B-R 100, Methyl Bromide, is designed for application in confined areas for the control of rodents and insect pests of stored grain, food commodities and other materials such as burlap bags, lumber and cut Christmas trees.

While in the container, Methyl Bromide is a liquid under pressure. It turns to a gas when released, which must be confined under a gas-proof cover of plastic or plastic-coated fabric or in a container or structure sealed so it is air tight. Both the liquid and the gas are poisonous. The liquid may cause burns on skin contact. High concentrations of vapors, especially in hot, humid weather, may cause skin irritation. Observe all Precautionary labeling. Use and Handling instructions given on this overwrap and on the product label.

## USES

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

Methyl Bromide is recommended for the control of rodents and insect pests infesting lumber, food commodities, plant material, furniture, clothing and bagged or bulk grains in railroad boxcars, trucks, vans or by treatment under a gas proof cover, (tarpaulin) or in an atmospheric or vacuum chamber.

Before using Methyl Bromide for these purposes, consult complete directions given in the following literature available from ETHYL CORPORATION.

"Methyl Bromide for Boxcar Fumigation" (Form No. 132-89)

"Operating Information on Tarpaulin Fumigation with Methyl Bromide" (Form No. 132-59)

"Chamber fumigation with Methyl Bromide" (Form No. 132-75)

"Safety Precautions for Fumigating with Methyl Bromide" (Form No. 132-4)

"Methyl Bromide Fumigation of Trucks, Trailers, Vans, and Containers" (Form No. 132-192).

Where large structures or storage areas are to be treated, it may not be feasible to use Methyl Bromide in 1½ pound cans. If such is the case, Methyl Bromide may be purchased in cylinders containing from 10 to 375 pounds of fumigant. Before using the larger packages of Methyl Bromide, read the following:

"How to Fumigate Buildings with Methyl Bromide" (Form No. 132-47)

"Recirculation of Methyl Bromide for Fumigation of Bulk Grain Storage with Measured Safety & Results" (Form No. 132-45)

## APPLICATION EQUIPMENT

Cans of Methyl Bromide should be opened only with special equipment designed for this purpose. The available applicator is the Star Model 15 Opener (Southeastern Tool and Die Company, 1420 Metals Drive, Charlotte, North Carolina). The applicator punctures the can and gaskets the opening, allowing the fumigant to discharge through the attached tube into the confined areas to be treated. To avoid possible contact with Methyl Bromide when using the above applicator, follow these simple rules:

1. Place can in applicator cradle, draw handle quickly toward body of can until piercing point has entered can and gasket is seated. It is important not to puncture the can on the side seam and to keep the point of puncture at the lowest point in the can while it is being emptied so that the pressure within the can will cause the liquid to flow through the tubing. If the can is punctured high, fumigant vapors rather than liquid will flow through the tubing, the contents of the can will be cooled and the pressure may be reduced to a point where it may be quite difficult to get the liquid out of the can.

2. Do not open cans without first making certain fumigant will be dispensed where desired.

3. Do not disconnect applicator from can or from polyethylene tubing until can is completely empty of fumigant. The applicator is not equipped with a valve or other device to stop the flow of fumigant after the can is punctured.

4. In case of breakage or failure of the applicator to puncture or seal the can properly, keep away from the can until all the fumigant has evaporated and the vapors carried away.

## HANDLING PRECAUTIONS

Methyl Bromide is a highly hazardous material and must be handled with care. Observe the following precautions:

1. Before using read and follow all label directions and literature pertaining to the use for which you plan to utilize Methyl Bromide.

2. Do not breathe vapor.

3. Do not spill. If liquid Methyl Bromide spills on shoes or clothing, remove them at once and do not wear them again until aired outdoors for several days. Do not wear gloves when applying Methyl Bromide.

4. When using Methyl Bromide, safety glasses should be worn.

5. Keep animals, children and unauthorized people away from area under treatment and until the area is certified free from Methyl Bromide as determined by a halide leak detector.

6. When fumigating buildings, boxcars and other structures, apply the fumigant from outside the structure. Make sure all windows and doors are sealed and the area posted. Signs may be obtained from your local supplier of Methyl Bromide.

7. Fumigated areas must be placarded on all entrances with signs containing at least the signal word DANGER and the "Skull & Crossbones" and the words "Area under fumigation, do not enter until completely aerated," the date of fumigation, name of the fumigant used, emergency telephone number for contact, and the name and address of the fumigator. Do not remove warning signs until the fumigated area is completely aerated and safe for entry, as indicated by a suitable detector.

8. Do not move railcars, trucks, vans, or trailers during fumigation. They must be completely aerated before movement is allowed.

9. Store Methyl Bromide in a cool place away from dwellings.

10. Do not enter a treated area without a gas mask unless you have checked the area with a halide leak detector to make sure dangerous concentrations of gas are not present. If there is any doubt, wear a gas mask. A full face gas mask with an air supply (tank or airline) is recommended. Read and follow the gas mask manufacturer's recommendations. A full face mask with a fresh black canister meeting specifications of the U. S. Bureau of Mines for Organic vapors can also be used under certain circumstances where the vapor concentration is known to be under 2% by volume (5 lb per 1000 cu ft.) Canisters should be used for no more than one-half hour. Destroy used canisters by crushing.

11. Obtain medical assistance at once in case of illness after exposure, and do not allow conditions which could accidentally cause further exposure until recovery is complete.

12. Always have an assistant and proper equipment when using fumigants to aid in case of accidents.

13. It is advisable to supply your physician with information on Methyl Bromide.

# Right of Rights & Center Panel

5-5

## APPLICATION RECOMMENDATIONS\*

Type of Confinement	Number of 1½ lb. cans (Total lbs.)	Temperature °F	Exposure
Steel Boxcars – Good Condition	7 (10½ lbs.)	60+	12-18 hrs
Steel Boxcars – Fair Condition	8 (12 lbs.)	60+	12-18 hrs
Wood Boxcars – Good Condition	8 (12 lbs.)	60+	12-18 hrs
Wood Boxcars – Fair Condition	10 (15 lbs.)	60+	12-18 hrs
Tarpaulin	1 per 1,000 cu ft	70+	24 hrs
Vacuum Chambers 25"-27" Vacuum	1-2 per 1,000 cu ft increase 50% for bales & tobacco	60+	3 hrs
Atmospheric Chambers	1 per 1,000 cu ft	60+	12-24 hrs
Buildings less than 100,000 cu ft	1-2 per 1,000 cu ft	60+	24 hrs
100,000-500,000 cu ft	1 per 1,000 cu ft	60+	24 hrs

\* Before using these dosages read use and handling literature as listed elsewhere.