

# **PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND ANIMALS DANGER**

DO NOT BREATHE VAPOR. USE ONLY WITH ADEQUATE VENTILATION. DO NOT GET NEVES ON SKIN OR CLOTHING. DO NOT USE ORDINARY RUBBER PROTECTIVE CLOTHING INCLUDING GLOVES AND BOOTS. KEEP AWAY FROM HEAT. SEND FOR A DOCTOR IMMEDIATELY IN CASE OF EXPOSURE. DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE OF AREA. RINSE FOR TREATMENT. KEEP CHILDREN AND ANIMALS AWAY FROM TREATED AREA. RESERVE ALL INFORMATION CONCERNING LABELING AND USE AND PRECAUTIONS GIVEN ON THIS LABEL. BE SURE TO COMPLY WITH LOCAL ORDINANCES AND REGULATIONS.

Do not enter a treated area without a gas mask unless you have checked that area with a halide detector to make sure that 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 directions. A full face gas mask with a **fresh black** canister meeting the specifications jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part II for organic vapors can also be used under circumstances where the vapor concentration is shown to be **under 2% by volume** (5 lb. per 1000 cu. ft.). Canisters should be used for no more than fifteen (15) minutes. Destroy used canisters by crushing.

**PHYSICAL AND CHEMICAL HAZARDS:** Bro-Mean C-O fumigant may be corrosive in certain metals. **Do Not Use** containers or application equipment made of aluminum, magnesium, or their alloys.

**USE PRECAUTIONS IN SPACE AND GRAIN FUMIGATION:** **Danger** — Fumigation at grain moisture content above 14% may injure germination. Do not repeat fumigation where this is likely to result in bromide residues in excess of legal tolerances. **Danger** — Do not fumigate feed or food products other than specified on this label. Unless this is first determined that such fumigation is in compliance with Federal and State laws, E.P.A. and state laws and regulations. **Danger** — Fumigation with this gas should be undertaken only with fumigant and fumigation equipment in good working condition. **Danger** — Rubber and patent leather articles, high protein flour and cereals, furs, horsehair articles, iodized salt, synthetic detergents and any articles containing sulfur compounds. **Danger** — To avoid damage, extinguish all flames and turn off glowing wire heaters.

**USE OF HALIDE DETECTOR:** Since Bro-Mean C-O is a colorless and odorless gas, it is advisable to use a halide detector to monitor fumigated areas after operation. A common detector uses a copper element held in a gas flame. In air containing methyl bromide a green or blue flame will be seen above the copper element, depending on the concentration. The table below gives approximate concentrations of methyl bromide associated with flame colors observed.

METHYL BROMIDE PRESENT IN PARTS PER MILLION	POUNDS OF METHYL BROMIDE PER 1000 CU. FT.	FLAME COLOR IN DAYLIGHT*
0	0	No color
25	0.00025	(almost invisible)
50	0.0125	Faint fringe of green
125	0.031	Moderate green
250	0.0625	Green
500	0.125	Strong green
800	0.20	Strong green-blue fringe
1000	0.25	Strong blue-green
		Blue

\*At night, allow for the bluish cast of the flame itself.

**\*\*CAUTION:** Halide gas detectors should not be used in flour mills, grain elevators, and other areas where dust may create a hazard of fire or explosion.

## **STORAGE & DISPOSAL**

Store Bro-Mean C-O in cylinders standing upright, with both valve caps and cylinder caps tightly closed, in a cool place, away from dwellings and out of the reach of children. Return empty cylinders promptly to the vendor.

## **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 Applicators Certification.



## **BRO-MEAN C-O**

### **ACTIVE INGREDIENT:**

Methyl Bromide . . . . . 100%  
This Product Weighs . . . . . 14.4 lbs. Per Gallon

**PRECAUCION AL USUARIO:** Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TRANSLATION) TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.

## **KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**POISON**

### **STATEMENT OF PRACTICAL TREATMENT**

**IF INHALED:** Carry patient to fresh air. Call a physician at once. Make sure patient can breathe freely. Keep patient lying down and warm. Give artificial respiration if breathing has stopped. Oxygen should be administered only by qualified personnel.

**IF ON SKIN:** Immediately remove all contaminated coverings 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 fifteen minutes, and get medical attention.

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**TO THE PHYSICIAN:** Keep patient at rest and under observation for 24 to 48 hours.

**In Case of Emergency  
endangering life or  
property involving this  
product call collect:  
(919) 792-1613**

**AGRICULTURAL  
CHEMICAL  
Do Not Ship or Store  
with Food, Feeds,  
Drugs or Clothing**

**REDDICK FUMIGANTS, INCORPORATED**

Williamston, North Carolina, 27892, U.S.A.

E.P.A. Establishment No. 37733 NC 1

E.P.A. Registration No. 37733 7

NET WEIGHT

LBS.

**BEST AVAILABLE COPY**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELLING.**

**Insects controlled:** All stored grain insects including granary weevil, rice weevil, lesser grain borer, cadelle, saw toothed grain beetle, Angoumois grain moth.

**Method of space or bulk fumigation:** For grain elevators, warehouses, food processing plants, ships, shipholds, railroad cars, vans, and other structures and transport vehicles, seal all cracks and crevices, doors, windows, and vents in the structure. Structures that cannot be sealed effectively may be enveloped in a polyethylene plastic sheet. Make sure that all edges are sealed. Keep animals, children, and unauthorized persons away from area under treatment, even though fumigating only part of a building. **Fumigated areas must be placarded on all entrances** with signs containing at least the signal word **DANGER** and the "skull and 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, by "checking bromide level" with a halide gas detector (see chart left). Apply Bro A/Ban C O from outside the structure by means of polyethylene or copper tubing. **Do not move** trucks, vans, or trailers during fumigation. They must be **completely aerated** before movement is allowed.

[illegible]

Shipboard, inland ship, or shipboard fumigating is also governed by U.S. Coast Guard Regulations. Refer to and comply with these regulations prior to fumigation.

**Prefunigation procedures:**

- \* Personal protective equipment means a gas mask or respirator for the fumigant jointly approved by the Mining Enforcement and Safety Administration and the National Institute of Occupational Safety and Health.

**Precautions and Procedures During Voyage:** Using appropriate gas detection equipment, monitor spaces adjacent to area's containing fumigated cargo and all regularly occupied areas for fumigant leakage. If leakage is detected, the area should be evacuated of all personnel, ventilated, and action taken to correct the leakage before allowing the area to be occupied. **Do not enter fumigated areas except under emergency conditions.** If necessary to enter a fumigated area, appropriate personnel protection equipment must be used. Never enter fumigated areas alone. At least one other person, wearing personnel protection equipment, should be available to assist in case of an emergency.

**Precautions and Procedures during Discharge:** If necessary to enter holds prior to discharge, test the spaces directly above deck surface for fumigant concentration, using appropriate gas detector equipment and personal safety equipment. **Do not allow entry to fumigated areas** without personal safety equipment, unless fumigant concentrations are at safe levels, as indicated by suitable detector.

Seller warrants that the product conforms to its chemical description, and is reasonably fit for the purposes stated on the label when used in accordance with directions, under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and the buyer assumes the risk of any such use.

**BEST AVAILABLE COPY**

37733-7

PM 32 9/28/83 1063  
300/17  
MAR 4 1983

Raddick Fumigants  
Highway 64 West  
P.O. Box 391  
Williamston, NC 27892

Gentlemen:

Subject: Bro-mean C-0  
EPA Registration No. 37733-7  
Your Application Dated February 11, 1983

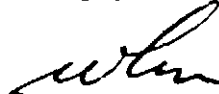
- A. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you:

Submit five (5) copies of your final printed labeling before you release the product for shipment.

If this condition is not complied with the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the draft labeling is enclosed for your records.

Sincerely yours,



William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure

TS-767:Miller:DCR-29605:WANG-2802:KIM:Raven:479-2013:3/2/83

CONCURRENCES							
SYMBOL							
SIGNATURE							
DATE							

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND ANIMALS DANGER

DO NOT BREATHE VAPOR. USE ONLY WITH ADEQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT USE ORDINARY RUBBER PROTECTIVE CLOTHING INCLUDING GLOVES AND BOOTS. KEEP AWAY FROM HEAT. SEARCH FOR A DISCHARGE IMMEDIATELY IN CASE OF EXPOSURE. DO NOT SEAL OR DISCHARGE CONTENTS OUTSIDE OF AREA CONFINED FOR TREATMENT. KEEP CHILDREN AND ANIMALS AWAY FROM TREATED AREA. OBSERVE ALL PRECAUTIONARY LABELING AND USE AND PRECAUTIONS GIVEN ON THIS LABEL. BE SURE TO COMPLY WITH ALL ORDINANCES AND REGULATIONS.

Do Not Enter a treated area without a gas mask unless you have checked the area with a halide detector\*\* to make sure that dangerous concentrations of gas are not present. If there is any doubt, wear a gas mask. A full-face gas mask with a fresh black canister meeting the specifications jointly approved by the Mine Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part II, for organic vapors, can be used under circumstances where the vapor concentration is known to be under 2% by volume (5 lb. per 1000 cu. ft.). Canners should be used for no more than one half hour. Destroy used canisters by crushing.

**PHYSICAL AND CHEMICAL HAZARDS:** Bro Mean C-O Fumigant may be corrosive in certain metals. Do Not Use containers or application equipment made of aluminum, magnesium, or their alloys.

**USE PRECAUTIONS IN SPACE AND GRAIN FUMIGATION:** Danger. Fumigation at grain moisture content above 14% may injure germination. Do not repeat fumigation where this is likely to result in bromide residues in excess of legal tolerances. Danger. Do not fumigate feed or food products other than specified on this label, unless it is first determined that such fumigation is in compliance with Food and Drug laws, E.P.A. and state laws and regulations. Danger. The following materials can develop undesirable odors when fumigated and should be removed from buildings: Danger. Rubber and patent leather articles, high-protein flour and cereals, furs, horsehair articles, iodized salt, synthetic detergents, and any articles containing sulfur compounds. Danger. To avoid corrosion damage, extinguish all flames and turn off glowing wire heaters.

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## 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 Applicators Certification.

ACCEPTED  
with COMMENTS  
in FPA Letter Dated:

March 1993



Under the

Pesticide

Label

37733-7

## BRO-MEAN C-O

### ACTIVE INGREDIENT:

Methyl Bromide . . . . . 100%  
This Product Weighs . . . . . 14.4 lbs. Per Gallon

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DANGER



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AMENDMENT

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**Other Uses:** Bro-Mean C O may be used as a preplant soil fumigant for seed and plant beds, turf nurseries, floral crops, tomatoes, strawberries, peaches, almonds, etc. Consult Reddick Fumigants for specific information pertaining to dosages, procedures, and safety precautions.

**Precautions and Procedures during Discharge:** If necessary to enter holds prior to discharge, test the spaces directly above grain surface for fumigant concentration, using appropriate gas detection equipment and personal safety equipment. **Do not allow entry to fumigated areas** without personal safety equipment, unless fumigant concentrations are at safe levels, as indicated by suitable detector.

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions and/or normal conditions of use but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and the buyer assumes the risk of any such use.