

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

Do not breathe vapors or spray mist. Avoid contact with skin, eyes, and clothing. May be fatal if swallowed or inhaled.

Use proper gas mask canister (black for organic vapors) at all times when fumigating, moving or transferring fumigant. If exceedingly high concentrations (exceeding 2% by volume) are encountered, air or oxygen equipment should be used. Do not enter bins during or after treatment.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

Store in cool place. Keep container closed. Keep out of reach of children. Keep liquid away from flames, spark producing equipment or heated surfaces. Do not remove label.

**PROHIBITIONS** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL** Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

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

**GENERAL** Consult federal, state or local disposal authorities for approved alternative procedures.

**PLACARDING INSTRUCTIONS**

Fumigation 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 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.

**NOTICE TO BUYER**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility including injury or damage, resulting from its misuse as such, or in combination with other materials.

53 GAL. NET

**Vulcan  
FORMULA 82-H  
(FC-14)  
GRAIN FUMIGAN**

(80-20 Mixture)

<b>ACTIVE INGREDIENTS:</b>	
Carbon Tetrachloride	.....83.1%
Carbon Disulfide	.....16.5%
<b>INERT INGREDIENTS</b>	.....0.4%
<b>TOTAL</b>	<b>100.0%</b>

**TIME TESTED MIXTURE  
WITH FIRE INHIBITOR ADDED**

KILLS ADULT AND EGG STAGES of Grain Weevil, Rice Weevil, Lesser Grain Borer, Confused Flour Beetle, Angoumois Grain Moth Larva, Indian Meal Moth Larva, Mediterranean Flour Moth Larva, Cadelle, Black Carpet Beetle, Sawtooth Grain Beetle and certain other insects attacking stored cereal grains

**DANGER**  **POISON**

**KEEP OUT OF REACH OF CHILDREN**

**STATEMENT OF PRACTICAL TREATMENT**

- 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 throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
- If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.
- If on skin - Remove contaminated clothing and wash affected areas with soap and water.
- If in eyes - Flush eyes with plenty of water. Call a physician immediately.

**SEE SIDE PANEL FOR ADDITIONAL CAUTIONS.**

CLASSIFIED BY UNDERWRITERS LABORATORIES INC. AS TO FIRE HAZARD ONLY. FORMULA 82-H GRAIN FUMIGANT. CLASSED 1 TO 5 LESS HAZARDOUS THAN PARAFFIN OIL IN RESPECT TO FI 101S.

**MANUFACTURED BY**

**Vulcan Materials Company**

CHEMICALS DIVISION / P. O. BOX 7689 • BIRMINGHAM, ALABAMA 35203

EPA Reg. No. 5382-6  
EPA Est. No. 32761-MO-3

**AC**  
Under Fungicide as amended register EPA R.



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**ACCEPTED**  
MAY 3 1984  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this pesticide registered under EPA Reg. No. 5382-6

### ELEVATOR USE FOR BEST RESULTS FOLLOW DIRECTIONS

#### HOW TO APPLY

Apply Fumigant when bin is being filled during grain turning. Pour Fumigant rapidly, directly on the grain, as it enters the bin. Apply at intervals, timed, that an application is made once for every ten feet of bin height filled. Add an extra 2-4 gallons to the first and last 500 bushels entering the bin. Seal the bin after treatment and do not move treated grain for at least 72 hours—best results obtained if treated grain is left in bin as long as possible. AVOID TOXIC GASES, DO NOT ENTER BIN DURING OR AFTER TREATMENT. Inspect treated wheat every month for signs of reinfestation and re-treat as needed.

### FARM USE FOR BEST RESULTS FOLLOW DIRECTIONS BEFORE FUMIGATION

**FIRST**—Make bin gas-tight. Close all cracks and openings in floors and walls of bin. Caulk tightens, by nailing strips of wood, over all holes and cracks. Paper, if needed, with asphalt type building paper on either outside or inside of bin. Grain fumigants work best when bin is gas-tight.  
**SECOND**—Remove all moldy or crusted layers from the surface of stored grain. Level grain surface and keep surface at least 6 inches below top.

#### HOW TO APPLY

Apply fumigant directly to the grain surface in a very wet course fan shaped stream. A fast, uniform distribution of fumigant over the entire grain surface gives best results. If possible, apply fumigant from outside of the bin to avoid toxic fumes. Seal bin after treatment and keep sealed. Inspect monthly for signs of re-infestation and re-treat as needed.

### STANDARD DOSAGE TABLE Gallons per 1000 Bushels Grain

Type Storage Bins	Wheat, Rye, Barley	Corn, Oat Grain Sorg
Steel, Concrete	2	5
Wooden, Closed top Ship's Holds	3	6
Wooden, Open top Flat Storage Buildings	4	8

#### INCREASE DOSAGES

- For Slow Bin Filling Time
- For High Moisture Grain
- For High Dockage
- For High Foreign Matter

**DANGER**  **POISON**  
**KEEP OUT OF REACH OF CHILDREN**

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- If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.
- If on skin - Remove contaminated clothing and wash affected areas with soap and water.
- If in eyes - Flush eyes with plenty of water. Call a physician immediately.

**SEE SIDE PANEL FOR ADDITIONAL CAUTIONS.**

CLASSIFIED BY UNDERWRITERS LABORATORIES INC. AS TO FIRE HAZARD ONLY.  
FORMULA 82-H GRAIN FUMIGANT. CLASSED 1 TO 5 LESS HAZARDOUS THAN PARAFFIN OIL IN RESPECT TO FIRE HAZARD 1015.

MANUFACTURED BY

**Vulcan Materials Company**

CHEMICALS DIVISION / P. O. BOX 7669 • BIRMINGHAM, ALABAMA 35253

EPA Reg. No. 5382-6  
EPA Est. No. 32761-MO-3



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.....0.4%  
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**ACCEPTED**  
  
MAY 3 1984  
  
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## MIXTURE ATOR ADDED

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POISON  
OF CHILDREN

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**FIRST**—Make bin gas-tight. Close all cracks and openings in floors and walls of bin. Caulk or tighten, by nailing strips of wood, over all holes or cracks. Paper, if needed, with asphalt type building paper on either outside or inside of bin. Grain fumigants work best when bin is gas-tight.

**SECOND**—Remove all moldy or crusted layers from the surface of stored grain. Level grain surface and keep surface at least 6 inches below wall top.

#### HOW TO APPLY

Apply fumigant directly to the grain surface in a very wet course fan shaped stream. A fast, uniform distribution of fumigant over the entire grain surface gives best results. If possible, apply fumigant from outside of the bin to avoid toxic fumes. Seal bin after treatment and keep sealed. Inspect monthly for signs of re-infestation and re-treat as needed.

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Type Storage Bins	Wheat, Rye, Barley	Com. Oats, Grain Sorghum
Steel, Concrete	2	5
Wooden, Closed top Ship's Holds	3	6
Wooden, Open top Flat Storage Buildings	4	8

#### INCREASE DOSAGES

- For Slow Bin Filling Time
- For High Moisture Grain
- For High Dockage
- For High Foreign Matter

VMC 6800-53  
Rev. 1/83

521

**BOXCAR TREATMENT**—Avoid Contamination During Transit. Treat loaded cars of grain before shipment with 2-3 gallons per car. Level grain surface before treatment. Apply fumigant as evenly and quickly to grain surface as possible. Seal car and allow 48 hours for results.

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

## SHIPBOARD FUMIGATION

### IMPORTANT

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

### PROCEDURES

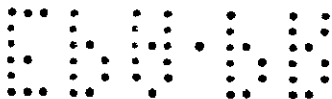
#### *Prefumigation Procedures*

Prior to fumigating a vessel for intransit cargo fumigation, the master of the vessel or his representative, and the fumigator must determine whether the vessel is suitably designed and configured so as to allow for safe occupancy by the ship's crew throughout the duration of the fumigation.

If it is determined that the design and configuration of the vessel does not allow for safe occupancy by the ship's crew throughout the duration of the fumigation, then the vessel will not be fumigated unless all crew members are removed from the vessel. The crew members will not be allowed to reoccupy the vessel until the vessel has been properly aerated and a determination has been made by the master of the vessel and the fumigator that the vessel is safe for occupancy.

The person responsible for the fumigation must notify the master of the vessel, or his representative, of the requirements relating to personal protection equipment,\* detection equipment and that a person qualified in the use of this equipment must accompany the vessel with cargo under fumigation. Emergency procedures, cargo ventilation, periodic monitoring and inspections, and first aid measures must be discussed with and understood by the master of the vessel or his representative.

\* Personal protection equipment means a self-contained breathing apparatus which provides a breathable atmosphere at a positive pressure.



During the fumigation or until a manned vessel leaves port or the cargo is aerated, the person in charge of the fumigation shall ensure that a qualified person using gas or vapor detection equipment tests spaces adjacent to spaces containing fumigated cargo and all regularly occupied spaces for fumigation leakage.

If leakage of the fumigant is detected, the person in charge of the fumigation shall take action to correct the leakage, or shall inform the master of the vessel, or his representative, of the leakage so that corrective action can be taken.

If the fumigation is not completed and the vessel aerated before the manned vessel leaves port, the person in charge of the vessel shall ensure that at least two units of personal protection equipment and one gas or vapor detection device, and a person qualified in their operation be on board the vessel during the voyage.

### PRECAUTIONS AND PROCEDURES DURING VOYAGE

Using appropriate gas detection equipment, monitor spaces adjacent to areas 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 personal 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 spaces directly above grain surface for fumigant concentration, using appropriate gas detection 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 a suitable detector.