

**GENERAL INFORMATION AND SAFETY PRECAUTIONS**

The successful use of liquid grain fumigants depends upon several details: (1) All grain storages should be tightly built. Before applying the fumigant, seal the structure as gas-tight as possible, especially below the surface of the grain. (2) Have the grain surface level and no higher than six inches below the top of the bin sides. (3) Apply the fumigant from outside the building if at all possible. During actual application, always have someone on hand to help in case of accident. Have him stand outside, where he can see the man working inside. If it is necessary to enter a large bin for application or to enter an area already under fumigation, wear a suitable gas mask, such as a full-face mask with a FRESH black canister for organic vapors. (4) In general, fumigant should be applied with a hand or power sprayer. Replace the nozzle with a tube or pipe flattened at the end to give a broad, coarse stream. (5) After treatment, do not disturb the grain for at least three days, and preferably for a week (except as recommended below). (6) Do not fumigate oftener or at higher dosages than recommended here. (7) Best results are obtained during cool, calm periods of the day, since high air temperatures and strong winds increase vaporization and loss of the fumigant.

In fumigating, the temperature of the grain itself is important, rather than the temperature of the air outside the grain mass. It is not advisable to fumigate grains other than rice when the average grain temperature is below 60°F., since at lower temperatures the insects are relatively inactive, and the fumigant is less effective because of its reduced volatility. Several methods are available for determining grain temperature.

**NOTE:** For better insect control, spray the inside of the bin with a Grain-Bin Spray 10 to 14 days before filling. Spray the outside of the bin just before fumigation.

**DIRECTIONS**

**FLAT STORAGE:** Large flat storages, such as quonset huts, should be treated with power equipment. Speed of application and observance of above safety precautions are essential in this type of fumigation.

**ELEVATOR STORAGE:** Fumigate grain with MFA INHIBITED 80-20 PLUS when it is being put into the bin or being turned. The fumigant may be pumped or poured from outside over the grain between drafts which should not exceed 15-foot depths in the bin. Give doubled dosages to top and bottom drafts. Under conditions of long storage or intense insect attack, retreatment may be necessary. Need may be determined by observation of live insects and by overheating of grain because of insect activity.

**BOX CARS:** Apply MFA INHIBITED 80-20 PLUS from outside the doorway of the car (or wear gas mask), using hand or power sprayer with special pipe nozzle. Close and seal doors immediately. For best results, do not move the car for at least 12 hours.

**WARRANTY:** M.F.A. Oil Company warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. 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 M.F.A. Oil Company, and buyer assumes the risk of any such use.

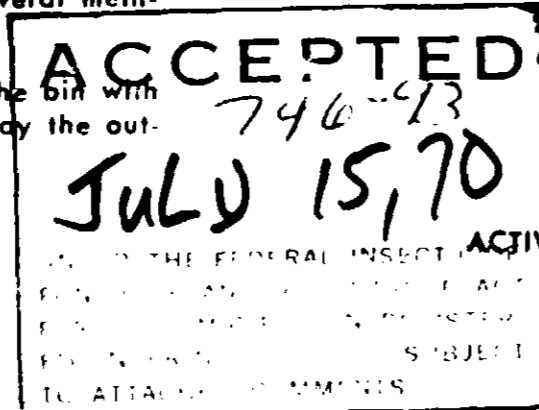


# INHIBITED 80-20 PLUS

**AN EFFECTIVE FUMIGANT FOR CONTROLLING INSECT PESTS IN STORED GRAIN**

**— CONTROLS —**

“grain weevils, flour beetles, granary weevils, lesser grain borers, and saw-toothed grain beetles.”



**ACTIVE INGREDIENTS**

- Carbon Tetrachloride ..... 80.5%
- Carbon Bisulfide ..... 16.5%
- Sulphur Dioxide ..... 2.0%

**INERT INGREDIENTS**

..... 1.0%

Classified by Underwriters' Laboratories, Inc. as to fire hazard only. MFA Inhibited 80-20 Plus classed 1 to 5 (less hazardous than Paraffin Oil) in a numerical rating, in respect to fire hazard, in accordance with the following schedule:

- Ether is rated ..... 100      Kerosene ..... 30-40
- Alcohol (ethyl) ..... 60-70      Paraffin Oil ..... 10-20

See UL Index of Classified Products.

**NOTE:** Do not use containers or handling equipment of aluminum, magnesium, or their alloys, as under certain conditions, MFA INHIBITED 80-20 PLUS may be severely corrosive to such metals.

STORE IN A TIGHTLY CLOSED CONTAINER, IN A COOL LOCATION AWAY FROM DWELLINGS. KEEP FUMIGANT PROPERLY LABELED.



**POISON**

**SEE ANTIDOTE STATEMENT ON SIDE PANEL**

**DANGER:**

**KEEP OUT OF REACH OF CHILDREN  
SEE OTHER CAUTIONS ON SIDE PANEL**



MANUFACTURED FOR **MFA OIL** COLUMBIA, MISSOURI

USDA Reg. No. 746-93

**NET CONTENTS**

**54 GALLONS**

**BULK CERTIFIED OR HYBRID SEED GRAIN:** Bulk seed grain may be fumigated by strict adherence to dosage recommendations, and by observing the following precautions to avoid damage and loss of seed viability: (1) The moisture content of the seed must be less than 12% and preferably less than 10%. (2) The seed temperature during the exposure period should be between 65°F. and 85°F. (3) The fumigant exposure period should be not more than 24 hours, and provision must be made to remove the fumigant by aeration immediately after the 24-hour exposure. This may be accomplished in tight structures by the use of aeration fans, and in loosely constructed storages by breaking all seals applied when preparing for fumigation. Do not fumigate low viability seed, as germination may be further reduced. See Safety Precautions.

**RECOMMENDED DOSAGES**  
Grain Temperature 60°F. or Higher

Types of Storage	Gallons per 1000 Bushels*		
	Wheat Rye, Barley	Corn Oats	Grain Sorghums
<b>Flat Storage</b>			
Wooden Bins	4	6	8
Steel and Concrete Bins	3	5	7
<b>Elevator Storage</b>			
Wooden Cribbed Bins	3	6	8
Steel and Concrete Bins	2	4	6
<b>Box Cars</b>	Gallons per Box Car		
Average Condition and Load	5	8	12

\*Note: On less-than-1000-bushel lots, use the same dosage as recommended for 1000 bushels. With very small lots, wet the entire surface with fumigant.

**RICE:** Use 4 gallons of MFA INHIBITED 80-20 PLUS per 1000 bushels if average grain temperature is 75 F. or above. If temperature is between 60 F. and 75 F., use 6 gallons per 1000 bushels. If necessary to fumigate when grain temperature is below 60 F., use 8 gallons per 1000 bushels. See Safety Precautions.

**DANGER**

**HAZARDOUS VAPOR AND LIQUID  
MAY BE FATAL IF INHALED OR SWALLOWED  
CAUSES SKIN IRRITATION UPON PROLONGED CONTACT  
MAY CAUSE EYE IRRITATION  
KEEP OUT OF REACH OF CHILDREN**

Use only with adequate ventilation.

Do not breathe vapor. • Do not take internally.

Avoid prolonged or repeated contact with skin.

Keep away from fire, sparks, or heated surfaces. Do not reenter treated areas without an airline respirator or full gas mask with a canister for protection against organic vapors.

In case of skin contact, wash with soap and water. For eyes, flush with plenty of water for at least 15 minutes and get medical attention. Remove and wash clothing before reuse. Do not wear shoes until free of all chemical odor.

**ANTIDOTE:** If illness results from inhalation, remove to fresh air and call a physician. If swallowed, call a physician, induce vomiting by giving an emetic such as 2 tablespoons of salt in a glass of warm water.

Do not use fumigated material or feed it to livestock until aeration has eliminated the odor of the fumigant.