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Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054

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## **Fact Sheet for ProFume<sup>®</sup> Gas Fumigant (Sulfuryl Fluoride)**

### **Read This Fact Sheet Completely Before Signing**

In the interest of Dow AgroSciences' commitment to product stewardship, this Fact Sheet is intended to provide basic information about the product and how it is used. If you have specific questions about your fumigation, refer to documents provided by the fumigator or call the fumigator listed on the warning signs posted on your structure. If you have questions about ProFume<sup>®</sup> gas fumigant (the fumigant used) or the procedures described, call the Dow AgroSciences Customer Information Center at 1-800-352-6776.

The licensed fumigator will develop a fumigation plan based on your pest control objectives, time constraints, the target pest, structural features, and environmental conditions. Based on good fumigation practices and the information provided by the site manager, the fumigator will provide instructions on how to prepare for the fumigation. Workers should be notified of the fumigation information and any relevant safety precautions. In addition, the licensed fumigator will provide guidance on the food products which can be fumigated and which products, if any, will need to be removed and, when necessary, specific considerations necessary to help prevent bystander exposure.

Because ProFume is a gas, prior to fumigation, the structure or enclosure must be adequately and completely sealed. This serves to contain ProFume in the structure or enclosure so it can penetrate materials thoroughly and eliminate the pests. Depending on the construction of the building or enclosure, the doors and windows may be sealed with tape and a polyethylene plastic sheet, or the structure may be covered with a tarp. Warning signs are posted at all entrances and all sides of the structure or enclosure notifying people to keep out. The structure or enclosure will remain sealed for approximately 2 hours to several days depending on the type of fumigation and operational needs.

After the sealing materials are removed, the professional fumigator will aerate the structure or enclosure by opening the doors and windows. Fans may also be used to clear out the building. Because ProFume is a true gas and not a vapor, aeration is rapid.

Once the structure or enclosure has been thoroughly aerated, the fumigator is required to measure fumigant levels, with detectors approved by Dow AgroSciences, to ensure the concentrations are below the EPA accepted level for re-entry. According to the ProFume label, structures can be occupied only when the concentration of fumigant in the breathing zones is 1 part per million or less. Low levels of fumigant can remain for a short period of time in air spaces between walls, inside machinery or within the commodity. The small amount of fumigant in these areas may continue to dissipate for a period of time after the fumigation. Your structure or enclosure should not be cleared for reoccupancy until it is safe to enter.

## SULFURYL FLUORIDE (POTENTIAL HEALTH RISKS FROM OVEREXPOSURE)

Sulfuryl fluoride, a colorless, odorless gas, enters the body through inhalation. Because sulfuryl fluoride is a gas, it does not leave behind a residue on surfaces and, therefore, does not create additional risks of exposure from touching these surfaces.

### *Nervous system and respiratory irritation:*

Overexposure to high levels of sulfuryl fluoride can result in nose and throat irritation and nausea. At high concentrations, it can cause excess lung irritation, pulmonary edema, nausea, and convulsions. These symptoms are likely to appear within 8 hours after overexposure. In the unlikely event you experience these symptoms, seek fresh air immediately. Consult your physician and call the fumigation company to have the fumigated space retested to determine sulfuryl fluoride concentrations.

### *Additional studies:*

Additional studies show sulfuryl fluoride does not cause birth defects in pregnant animals exposed under experimental conditions. In addition, current studies demonstrate there are no mutagenic or genotoxic effects caused by exposure to sulfuryl fluoride.

## **Safety Precautions and Preparation**

- Discuss the fumigation plan in advance with the fumigator so you fully understand what will be done and what you need to do.
- Carefully follow the instructions you are given about items you are to remove from your building.
- Stay out of the treated structure or enclosure until it is cleared for re-entry.
- If you are interested or concerned, you should ask your fumigator to show you the records of how your building was aerated before it was cleared to re-entry.

If you have specific questions about your fumigation, refer to documents provided by the fumigator or call the fumigator listed on the warning signs posted on your structure. Call the Dow AgroSciences Customer Information Center at 1-800-352-6776 if you need additional information or have questions concerning the product.

I acknowledge receiving a copy of this Fact Sheet for ProFume. (You will sign one copy for the company doing the fumigation and get a second copy to keep for reference.)

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Please print your name here:** \_\_\_\_\_

**Your address:** \_\_\_\_\_  
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