

FACT SHEET



Drexel

Master Fume™ Specialty Gas Fumigant

This fact sheet for Master Fume (Sulfuryl fluoride fumigant) is intended to provide basic information about this 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 Master Fume gas fumigant (the fumigant used) or the procedures described, call Drexel Chemical Company at (901)774-4370 or e-mail info@drexchem.com, attention Ben Johnson, Product Manager, or Robert Fields, Program Manager.

WHY FUMIGATE

Houses, apartments, and other dwellings or structures can be seriously damaged by insect pests that feed or tunnel into the wood. More than 5 million homes each year are damaged by termites or other wood destroying insects. Depending on the extent or location of the infestation, fumigation is the only total control method proven to eliminate certain infestations of wood destroying insects or some species of general household pest.

HOW TO FUMIGATE

Because Master Fume is a gas, the structure to be fumigated is completely sealed prior to fumigation to contain the gas so it can penetrate wood thoroughly and eliminate the pests. Depending on the construction of the building, doors and windows may be sealed with tape or tape and a plastic sheet. The most used method is to cover the structure with tarps designed for fumigation and seal them to the ground. The building will remain sealed for 2 to 72 hours, with 18 to 24 hours being a typical exposure period depending on the specifics of the job. Warning signs are posted around the building to notify people to keep out.

After the exposure period the tarps or tape is removed and all operable windows and doors are opened starting 1 hour minimum of active aeration process. After 1 hour the structure will be re-secured and the passive aeration process continues, as extremely low levels of fumigant can remain for a short period of time in dead air space between wall and inside cabinets as well as in porous materials such as furniture. Once the aeration process is complete the fumigator will use equipment designed to determine if any fumigant remains in the structure or that it is below 1ppm, the approved EPA concentration level for safe reentry. Safe reentry notices will be placed on the structure with the time and date safe reentry was determined. Structures can be occupied only when the EPA approved concentration is 1 part per million (ppm) or below. Aeration is rapid since Master Fume is a true gas. Recent studies have shown that in most structures, levels are less than 1 ppm within 6 hours of clearing and have no detectable levels of sulfuryl fluoride gas fumigant within 24 hours after the start of aeration.

Sulfuryl fluoride is a colorless, odorless gas, so a warning agent like Chloropicrin is added to cause watery eyes and a scratchy throat. If you experience these symptoms in a structure that has been recently fumigated, you should leave immediately and call the pest control company to have your building retested.

SULFURYL FLUORIDE (POTENTIAL HEALTH RISKS FROM OVEREXPOSURE)

Sulfuryl fluoride is a gas and can potentially enter your body only through inhalation. It does not stay on dry surfaces, thus, there is no exposure from touching treated 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 (such as those used during the fumigation) it can cause excess fluid in the lungs, sleepiness, pneumonia, and convulsions. These symptoms would be expected to appear within 8 hours after such an exposure. In the unlikely event you experience these symptoms in the building that has been recently fumigated, you should leave immediately. Consult your physician and call the pest control company to have your building retested.

Additional studies: Sulfuryl fluoride has not been shown to cause birth defects in pregnant animals exposed under experimental conditions. In addition, current studies have demonstrated there are no mutagenic or genotoxic effects caused by exposure to sulfuryl fluoride.

Safety Precautions and Homeowner Preparation

- Discuss the treatment program in advance with your pest control company so you fully understand what will be done and what you need to do.
- Carefully follow the instructions you are given about what items you are to remove from your building.
- Stay out of the treated building until it is cleared for reentry.
- If you are interested or concerned, you should ask your pest control company to show the records of how your building was aerated before it was cleared to reentry.
- You may wish to increase ventilation by opening doors and windows.

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 Drexel Chemical Company at (901)774-4370 if you need additional information or have questions concerning the product.

These materials have been created for Master Fume specialty gas fumigant and no other structural fumigant. The information contained in these materials is based on the product label and instructions for use for Master Fume and are not intended for use with other structural fumigants. These materials may not be reproduced or copied without permission of Drexel Chemical Company.

Manufactured By:



Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

OCCUPANTS FUMIGATION NOTICE AND PESTICIDE DISCLOSURE

JOB ADDRESS _____ CITY _____
 Single Family Dwelling Multi Family Dwelling Other _____
 Owner/Agent _____
 Tel. No. () _____ Emergency No. () _____
 Occupant _____
 Tel. No. () _____ Emergency No. () _____
 Prime Contractor _____ Emergency No. () _____
 Fumigation Contractor **MISSION CITY FUMIGATION OF SANTA MARIA** Emergency No. **(800) 800-4979**
 Target Pest(s): Drywood Termites Beetles Other (s) _____
 Fumigants proposed to be used: Master Fume TM or Vikane TM (Active Ingredient – Sulfuryl Fluoride)
 Other(s) _____

CHLOROPICRIN WILL BE USED AS WARNING AGENT WITH EITHER FUMIGANT

Dates of fumigation: _____ Date Changes/Alternative date: _____
 Initials _____

Are you aware of any conduits, pipes, common drains, airducts, central vacuum systems or any other construction elements that would allow the passage of a fumigant from the structure to be fumigated to any other adjacent or adjoining structure? Yes () No () _____

IMPORTANT – READ CAREFULLY

THIS BUILDING WILL BE FUMIGATED WITH LETHAL GASES ON THE DATE(S) INDICATED ABOVE. ALL PERSONS AND ANIMALS MUST VACATE THE PREMISES ON OR BEFORE ARRIVAL OF THE FUMIGATION CREW.

UNDER NO CIRCUMSTANCES CAN ANYONE ENTER THE BUILDING UNTIL THE FUMIGATION COMPANY’S NOTICE IS POSTED GIVING THE TIME AND DATE FOR SAFE RE-ENTRY.

“State law requires that you be given the following information: CAUTION-PESTICIDES ARE TOXIC CHEMICALS. Structural pest control companies are registered and regulated by the Structural Pest Control Board, and apply pesticides which are registered and approved for use by the California Department of Pesticide Regulation and the United States Environmental Protection Agency. Registration is granted when the State finds that based on existing scientific evidence there are no appreciable risks if proper use conditions are followed or that the risks are outweighed by the benefits. The degree of risk depends upon the degree of exposure, so exposure should be minimized.”

If within 24 hours you experience symptoms of dizziness, headache, nausea, reduced awareness, slowed movement, garbled speech or difficulty in breathing, leave the structure immediately and seek medical attention by contacting your physician or Poison Control Center (telephone number) and notify your pest control company. The warning agent, chloropicrin, can cause symptoms of tearing, respiratory distress and vomiting. Entry into the space during fumigation can be fatal.

For further information, contact any of the following: Your pest control company (telephone number); for Health Questions – the County Health Department (telephone number); for Application Information – the County Agricultural Commissioner (telephone number) and for Regulatory Information – the Structural Pest Control Board, 800-737-8188, 2005 Evergreen Street, Suite 1500, Sacramento, CA 95815.”

FOR HEALTH QUESTIONS

SANTA BARBARA	SANTA BARBARA		
COUNTY HEALTH DEPARTMENT	(SANTA MARIA) COUNTY AGRICULTURAL COMMISSIONER	POISON CONTROL CENTER	STRUCTURAL PEST CONTROL BOARD
PHONE 805-681-5102	PHONE 805-934-6200	PHONE 1-800-876-4766	PHONE 1-800-737-8188

(This section may be modified to include the information of geographical area served by the licensee.)

I hereby acknowledge receipt of a copy of this document as well as a list that includes the instructions for the necessary preparations for the fumigation, procedures for leaving the structure and the following documents:

VIKANE or MASTER FUME FACT SHEET _____
INSTRUCTIONS PRIOR TO FUMIGATION _____

We suggest that you notify nearby neighbors of the date of fumigation and to keep pets away during the fumigation. Close off any open access to the sub area to keep pets from entering.

Owner/Agent (signature) _____ Date _____
 Occupant(s) (signature) _____

OCCUPANTS FUMIGATION NOTICE AND PESTICIDE DISCLOSURE

JOB ADDRESS _____ CITY _____
 Single Family Dwelling Multi Family Dwelling Other _____
 Owner/Agent _____
 Tel. No. () _____ Emergency No. () _____
 Occupant _____
 Tel. No. () _____ Emergency No. () _____
 Prime Contractor _____ Emergency No. () _____
 Fumigation Contractor **MISSION CITY FUMIGATION of SANTA MARIA** Emergency No. **(800) 800-4979**
 Target Pest(s): Drywood Termites Beetles Other (s) _____
 Fumigants proposed to be used: Master Fume ™ or Vikane ™ (Active Ingredient – Sulfuryl Fluoride)
 Other(s) _____

CHLOROPICRIN WILL BE USED AS WARNING AGENT WITH EITHER FUMIGANT

Dates of fumigation: _____ Date Changes/Alternative date: _____
 Initials _____

Are you aware of any conduits, pipes, common drains, air ducts, central vacuum systems or any other construction elements that would allow the passage of a fumigant from the structure to be fumigated to any other adjacent or adjoining structure? Yes () No () _____

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SAN LUIS OBISPO	SAN LUIS OBISPO		
COUNTY HEALTH DEPARTMENT	COUNTY AGRICULTURAL COMMISSIONER	POISON CONTROL CENTER	STRUCTURAL PEST CONTROL BOARD
PHONE 805-781-5500	PHONE 805-781-5910	PHONE 1-800-876-4766	PHONE 1-800-737-8188

(This section may be modified to include the information of geographical area served by the licensee.)

I hereby acknowledge receipt of a copy of this document as well as a list that includes the instructions for the necessary preparations for the fumigation, procedures for leaving the structure and the following documents:

- VIKANE or MASTER FUME FACT SHEET
- INSTRUCTIONS PRIOR TO FUMIGATION
- _____
- _____
- _____

We suggest that you notify nearby neighbors of the date of fumigation and to keep pets away during the fumigation. Close off any open access to the sub area to keep pets from entering.

Owner/Agent (signature) _____ Date _____
 Occupant(s) (signature) _____

INSTRUCTIONS PRIOR TO FUMIGATION

By Federal Law and as indicated by the Fumigant label, the following items must be removed from the premises prior to Fumigation:

1. Persons, pets, plants (including seeds and bulbs). **LEAVING PETS UNATTENDED IN THE YARD IS NOT SUFFICIENT, ESPECIALLY CATS.**
2. Food, animal feed, medicinals, which are not factory-sealed in metal or glass (including freezer and refrigerator items and bottled water). As an alternative to removal of these items, they may be sealed by double bagging in Master Fume bags, Nylofume or Fumiguard bags. These protective bags are available only from distributors of this product or your Pest Control Operator. No other bags are legally allowed. If food has not been removed or properly bagged at the time the fumigators arrive, there may be an additional charge for our personnel to bag your foodstuffs. There is also a possibility that these items may be discarded. Mission City Fumigation of Santa Maria is not liable for replacement costs of any discarded items.
3. Mattresses that are completely covered with waterproof covers (except waterbeds). Pillows completely enveloped in waterproof covers. If plastic covers are removed, mattresses and pillows may remain. **BABY MATTRESSES MUST BE REMOVED.**

Electricity and water must be on or available in order for the fumigation to take place. NOTE: The State of California requires that natural gas service be terminated and restored by the local gas company. Check with your termite inspector for specific instructions. If you have more than one antenna or antennas over 12 feet high, as well as CB and short wave antennas and satellite dishes, please make prior arrangements for their removal and re-installation. If any part of your antenna is in poor condition, such as mounting brackets, guy wires, etc., the antenna will not be re-installed. If satellite dish(es) are mounted on or adjacent to the structure, they must be removed prior to fumigation. If not removed, misalignment or damage may occur and Mission City Fumigation of Santa Maria will not be responsible for damages or repairs.

Fumigation will be done by industry standards, but in certain situations, some damage may occur to roofing (i.e. old brittle shingles, metal, or tile, etc.), awnings, vent caps, spark arrestors, solar panels and patio covers as well as certain rain gutters. There is also a possibility of paint damage if masking tape and adhesive spray are used. **Mission City Fumigation of Santa Maria assumes no responsibility for such damages should they occur.**

Climbing plants and vines and/or trellises must be removed prior to the arrival of the fumigation crew. To lessen damage to the plants in close proximity to the house, have all trees, plants and foliage cut back at least 8-12 inches from the building walls. Plants left unattended which are too close to the buildings to allow proper sandbagging of tarps will die or be damaged in the fumigation and Mission City Fumigation of Santa Maria will assume no responsibility. To minimize escape of the fumigant through the soil, wet the soil adjacent to the structure prior to fumigation.

All persons should be prepared to vacate the premises when the fumigation crew arrives. All rooms must be left unlocked, including padlocks on garage doors or other storage areas. Pet doors must be locked or secured against entry. Locked cars may not be left in garages and carports. If cars must remain, doors and trunk must be left open. State law requires that we have a signed Occupant's Fumigation Notice in our possession, as well as the keys to the structure, prior to the beginning of the fumigation. Please note that fumigations cannot begin during inclement weather conditions. In case of rain or strong winds, the job may be postponed to a later date. Flat roofs are vulnerable to the accumulation of water on top of the tarps which will collect quickly and weigh hundreds of pounds. This can cause the roof collapse and, therefore, we may postpone this type of job when heavy rains are forecast during the fumigation time frame even though it might not be raining at the moment.

If the job must be cancelled because of excessive food left in the structure, a cancellation charge of 10% of the job cost may be applied. A cancellation charge may also be applied if the job cannot be done, due to lack of preparations on the part of the owner or agent. These reasons include, but are not limited to: keys unavailable to all locked rooms or spaces; locked cars in garages; storage with unknown contents which may include foodstuffs; improper preparation of plants, rocks or landscape materials; building under partial construction, especially roofs in an unsafe condition due to construction. **All security alarms must be disarmed during the fumigation** as well as motion detector lights that will be under tarps or nearby which could cause a hazard. In addition, all automatic-watering systems must be made inoperable. Drip irrigation that is against the house or is less than 12" from the structure should be disconnected or may be damaged. In the event of a locked gate, which is used as security to prevent entry to a swimming pool, it must be rendered unlockable; another means of security must be provided.

In certain areas throughout California, swallows often nest in the eave areas of buildings. This usually occurs in the spring and early summer. However, if the nests are occupied, federal law prohibits us from disturbing them, whether by fumigation or removal. Under no circumstances can we proceed until the nests have been vacated.

*****Do you have any apparatus or equipment located on the ground, underground or overhead which might allow the fumigant to travel from the building(s) being fumigated to any adjacent occupied structure? These means of connections may include, but not be limited to, underground electrical conduit, underground plumbing lines which are not sealed with water, overhead conduits which are connecting one building to another and connecting central vacuum systems. Please advise us if you have similar situations.**

Note: The Company does not provide on-site security and does not assume any responsibility for the care and custody of the property in the event of vandalism or breaking and entering. The company suggests the all valuables such as jewelry, coins, collections, cash, art objects, guns and other items of value be removed from the site, prior to fumigation. If you wish, you may hire a security service to be present during the fumigation.