



**ARCADIA FIRE DEPARTMENT
STANDARD OPERATING GUIDELINE**

**STRUCTURE FIRES –
FUMIGATION**

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PURPOSE

To provide a guide in fighting structure fires undergoing fumigation.

Vikane gas is the most common fumigant used in fumigation. Vikane gas fumigant is an inorganic chemical. The active ingredient is Sulfuryl Fluoride and is relatively non-reactive as a gas. No corrosive effects have been detected when this chemical has been used as directed. It can, however, react with strong bases such as photo developing solutions. Vikane is a colorless, odorless, gas under pressure that has no warning properties. Skin contact with Vikane is not considered a problem, however contact with liquid Vikane can cause freeze damage. The fumigation industry standard is to wear SCBA when atmospheric conditions equal 5ppm or higher of Sulfuryl Fluoride.

RESPONSIBILITY

All department members shall familiarize themselves with this guideline. Company officers shall ensure that members involved with fighting structure fires undergoing fumigation are also familiar with this guideline.

PROCEDURE

Full structure protective equipment and SCBA according to Department Guideline # 101, Personal Protective Equipment, shall be worn while engaged in any operations involving structures undergoing fumigation.

Remove the plastic tarps covering the structure. Typically, the tarps are held on with spring-loaded clamps and usually can be removed by tugging on the cover from the ground. Companies assigned roof operations shall be concerned with slipping on the tarps that cover the structure. After the tarps have been removed, typical structure fire operations can be anticipated, including typical ventilation.

Reference: Structural Fumigation Manual, Dow AgroSciences