



CITY OF
SANTA ROSA

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**FIRE DEPARTMENT
INFORMATION BULLETIN**

**SUBJECT: STANDARD FOR FUMIGATION AND THERMAL INSECTICIDAL
FOGGING**

Bulletin Number: 032

Date of Issue: February 1, 1996

Code Reference:

1994 Uniform Fire Code (UFC) Article 47
Santa Rosa City Code Chapters 18-16, 18-44

NOTE: This bulletin is a summary of Fire Department interpretations of City and State Codes. Information contained herein applies to typical instances and may not address all circumstances.

DEFINITIONS:

BREATHING APPARATUS:

Approved self-contained breathing apparatus equipped with a positive pressure regulator suitable for use with the fumigant being utilized.

FUMIGANT:

Any substance or mixture which emits or liberates a gas, fume or vapor used for the destruction or control of insects, fungi, vermin, germs, rodents or other pests. Fumigants are distinguished from insecticides and disinfectants.

FUMIGATION:

A process using a fumigant.

MATERIAL SAFETY DATA SHEETS (MSDS):

Documented hazardous information prepared in accordance with the provisions of 29 CFR 1910.1200.

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THERMAL INSECTICIDAL FOGGING

The use of insecticidal liquids which are passed through thermal-fog generating units where they are, by means of heat, pressure and turbulence, transformed and discharged in the form of fog or mist that is blown into the area to be treated.

CONDITIONS AND LIMITATIONS:

SOURCES OF IGNITION:

- a) All fires, open flames and similar sources of ignition shall be eliminated from the space under fumigation or thermal insecticidal fogging. Heating, if needed, shall be of an approved type.
- b) If the fumigant used has a flammability rating of 2 or higher, the electric service shall be disconnected outside the premises. If the fumigant has a flammability rating of less than 2, electric service need not be disconnected.
- c) The permittee fails, refuses or neglects to comply with any order or notice served upon him under the provisions of the Uniform Fire Code within the time specified.
- d) There has been any false statement or misrepresentation as to fact in the application which the permit was based.

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- b) If the fumigant used has a flammability rating of 2 or higher, the electric service shall be disconnected outside the premises. If the fumigant has a flammability rating of less than 2, electric service need not be disconnected.
- c) When fumigants having a flammability rating of 2 or higher are used, temporary remote control power leads with control switches located outside the fumigated space may be installed for powering fumigant circulating fans inside fumigated space. Such fans shall be approved for the intended use. UFC 4703.

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NOTIFICATION:

The Chief shall be notified in writing at least 24 hours before a building or structure or ship is to be closed in connection with the use of any toxic or flammable fumigant. UFC 4704.

BREATHING APPARATUS:

All persons engaged in the business of fumigation or thermal insecticidal fogging shall maintain and have available two sets of approved protective breathing apparatus. UFC 4705.

WATCH:

When a flammable gas or substance giving rise to a flammable gas is used for fumigation, the employer shall be required to have 24-hour supervision from the time the premises have been fumigated until all ventilation work has been completed (approved gas tight vaults or tanks are excepted from this requirement). UFC 4706.

SEALING OF BUILDINGS:

Paper and other similar nonfire-retardant materials shall not be used to wrap or cover a building in excess of that required for the sealing of cracks, casements and similar openings. Approved tarps are permitted. UFC 4707.

WARNING SIGNS:

Where fumigants are used or stored, conspicuous warning signs shall be posted bearing the "skull and crossbones" emblem, with the words DANGER, POISON GAS! KEEP OUT! and designating the name of the fumigant. The fumigator's name, address and telephone number shall be posted in such locations as to give adequate warnings thereof. UFC 4708.

VENTING AND CLEANUP:

At the end of the exposure period, fumigators shall safely and properly ventilate the premises and contents, properly dispose of all fumigant containers, residues, debris and other materials used for such fumigation and clear obstructions from gas-fired appliance vents. UFC 4709.

RESTRICTED FUMIGANTS:

The use of carbon bisulfide (CS₂) and hydrogen cyanide (HCN) shall be restricted to agricultural fumigations. UFC 4711.