



# Field Fumigation

Label and Regulation Update

# Accident Response Plan

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- All field fumigations (Vapam, K-pam, Sectagon, Telone) shall have a completed **ACCIDENT RESPONSE PLAN** at the application site.
- CAC can provide document

# Vapam® HL, K-Pam, Sectagon 42® (Metam-Sodium, Metam-Potassium)

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- “Danger” materials-require the use of a closed mixing system.
- Handlers must be trained in advance
- Employer must be current with provisions of CCR. Section 6739, Respiratory Protection
- All workers shall be notified orally, FAC 12973, and all sites posted as per CCR. Section 6776.

# Personal Protective Equipment (PPE)

## Metam Sodium, Metam Potassium

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All handlers and applicators shall wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment or when mixing or transferring.
- Face sealing goggles

# Personal Protective Equipment

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- Organic Vapor Respirator – cartridges or canisters must be replaced daily or when odor or irritation from the product becomes apparent.
- Approved Closed Cab Drivers – coveralls, shoes plus socks. Face sealing goggles, respirator, and all other applicable PPE shall be immediately available within the cab if needed.

# Application

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- Currently all labeled application methods are acceptable in the Sac Metro Region.
- Wind speed shall not exceed 7mph.
- Soil moisture must be approximately 50-80% of field capacity.
- Pre-irrigation is required when soil moisture is below 50% of field capacity
- Whenever irrigation equipment is required, the equipment shall be in place prior to the commencement of the application.

# Buffers

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- A minimum buffer of 500 feet is required for all applications that exceed 64 pounds active ingredient per acre to sensitive sites.

# Application Monitoring near Sensitive Sites

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- Shall be done on an hourly basis during application when within 1,500 ft of an occupied structure. Should odors become evident then the application must be stopped and mitigation measures (compacting, water sealing etc.) be taken.
- Records for application monitoring shall be maintained by the operator and kept for one year.



# Post Application Monitoring

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- Monitoring shall be done every two hours for a 12 period after the application has ceased. Mitigation shall begin should odors be noted.
- Records of monitoring shall be maintained by the operator for a period of one year.

# Field Equipment

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- Dry disconnect fittings (closed system transfer) on all tanks and equipment
- Each saddle tank shall be equipped with a minimum size #50 mesh screen on both fill and discharge outlets.
- Main line shutoff or by-pass shall be used to stop flow to distribution manifold.
- All systems shall be equipped with an individual shank monitoring system to detect flow problems in each shank.

# Field Equipment continued....

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- Dual check valves shall be installed on each outlet between manifold and as close as possible to the discharge point.
- All components of the delivery system normally below ground shall be metal and suitable for use as provided on the label.

# Telone

## (1,3-dichloropropene)

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- All workers shall be notified orally, FAC 12973, and all sites posted as per CCR. Section 6776.

# Telone PPE

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All handlers and applicators shall wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment or when mixing or transferring.
- Face sealing goggles

# Personal Protective Equipment

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- Organic Vapor Respirator – cartridges or canisters must be replaced daily or when odor or irritation from the product becomes apparent.
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# Telone Application

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- Greenhouse uses are prohibited in CA.
- All other labeled application methods are allowed within the Sac Metro Region
- Application method and subsequent emission must be calculated by a product approved PCA at the time of the Notice of Intent.
- Calculated emission request is then checked against available pounds within the Township allotment. (done by the registrant)

# Telone Applications

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- No application shall take place within 300 feet of an occupied structure (Telone II Ca label)
- Buffer may be smaller (but not less than 100 ft.) if the residence can be vacated during the application and seven days thereafter.



# Use Reporting

## (Vapam, K-Pam, Sectagon, Telone)

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- All Use Reports shall be submitted to the CAC by the 10<sup>th</sup> of the month following application.
- Reports shall indicate the applicable “application method code” for the product used. (DPR will log/track region emission based on this info.)