

SPECIALTY GAS FUMIGANT

Sealing methods:

Various sealing methods can effectively confine Vikane in trailers, listed below in order of decreasing general confinement capabilities (based on research by the University of Florida and Douglas Products):

1. Tarp entire trailer by driving the trailer on top of the tarp and then wrap it (See image A).
2. Tarp entire trailer and seal to the ground with sand and/or water snakes.
3. Tape openings and seal trailer doors using polyethylene sheeting and tape.
4. Tape gaps on trailer doors and other openings (See image B).

Tips on sealing (based on research by the University of Florida and Douglas Products):

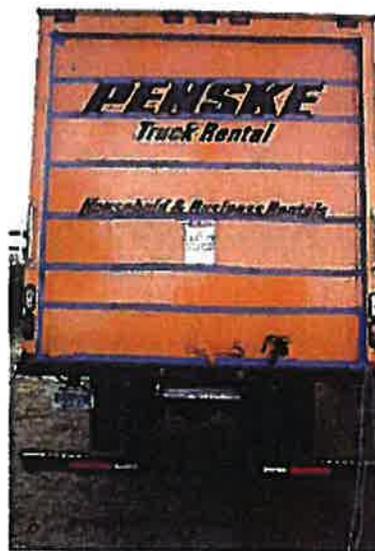
1. Trailers with wood flooring generally have waterproofing material applied to the underside, which limits fumigant penetration through the flooring.
2. A truck trailer connected to a cab, compared to one separate from the cab, can have extensive fumigant loss into the cab if the trailer is tape-and-sealed after it is loaded (e.g. sealed from the cab).
3. Taping all trailer door seams may be as effective as using polyethylene and tape for confining Vikane (see Image B).
4. Confinement is more variable using the tape-and-seal procedures than tarping, even when repeatedly fumigating the same trailer. The exception would be for trailers that have been modified to be permanently sealed for fumigation.

Security:

1. The fumigator should use their padlock (not one provided by the customer) to secure the trailer from unauthorized entry during fumigation.
2. In addition to the label requirement to post all trailer doors with warning signs during the fumigation, many states require warning signs be placed on all sides of a fumigated structure (which are visible at ground level).
3. Most tarped trailers and containers will require only a fraction of an ounce of chloropicrin to be applied per label required rates. If the trailer or container is tape-and-sealed, chloropicrin is not required. (see Vikane Manual: "Section 6. Release of Warning Agent" for additional information)



A. Example of tarping an entire trailer by driving it on top of the tarp and then wrapping it.



B. Example of trailer using tape to seal gaps on doors and other openings.