

# About 1,3-Dichloropropene (1,3-D)

Active ingredient or chemical name(s): 1,3-Dichloropropene, 1,3-D

Brand name(s): Telone II<sup>®</sup>, PicClor, TriClor



## WHAT IS 1,3-DICHLOROPROPENE?

- 1,3-Dichloropropene, also known as 1,3-D, is a colorless to straw-colored liquid with a sharp, sweet, irritating, chloroform-like odor.
- 1,3-D is used in agriculture as a pre-plant fumigant to control soil organisms that can damage crops, like fungi and microscopic worms. While a liquid at room temperature, when it is injected into the ground it becomes a gas.
- 1,3-D products are restricted materials, which means that they can only be legally purchased and used by those who are trained and licensed.
- The pesticide chloropicrin is commonly formulated with 1,3-D to provide broader pest control. Chloropicrin has a strong odor and may cause respiratory and eye irritation. Symptoms include watery and burning eyes, difficulty breathing, coughing, headache, and nausea.

## WHAT ARE THE SYMPTOMS OF 1,3-D EXPOSURE?

- Breathing in 1,3-D can cause nose and skin irritation, chest pain, or breathing difficulties. 1,3-D can be rapidly absorbed through the skin and by inhaling it.
- Long term exposure to 1,3-D can increase the risk of cancer.

## HOW MIGHT I BE EXPOSED TO 1,3-D

- You can be exposed to 1,3-D if you enter the area where it is being used or surrounding buffer zones. You can also be exposed if you enter the area or buffer zone during the time after an application when entry is restricted.
- Residents living near treated fields may be exposed to 1,3-D if it enters the air and moves away from the application site due to drift or wind events. To reduce the potential for exposure, California has specific regulations on how 1,3-D can be applied. These include tarping fields or equivalent measures that prevent drift.

## HOW CAN I PROTECT MYSELF?

- Pay attention to the warning signs posted around fields that have been fumigated and **do not enter**.

## WHAT TO DO IF EXPOSED?

**If you or others are having difficulty breathing, or have lost consciousness, call 911.**

For non-life-threatening illness or injury, call the California Poison Control Center for free medical information at 1-800-222-1222.

## ADDITIONAL INFORMATION

For general information on pesticides, call the National Pesticide Information Center (NPIC), Monday through Friday, between 8 a.m. and 12 p.m. PT at 1-800-858-7378. Or, visit NPIC's website at [npic.orst.edu](http://npic.orst.edu).

## HOW TO REPORT A PESTICIDE EXPOSURE OR MISUSE?

Please call your County Agricultural Commissioner's office as soon as possible to get them the information they need to investigate the incident. To connect with your local commissioner, call toll-free at 1-87PestLine (1-877-378-5463).

## 1,3-D Restrictions in California

California strictly regulates the use of 1,3-D, requiring setback distances from occupied structures and restrictions for how 1,3-D is applied and how much can be used. These restrictions reduce the potential for exposure to the pesticide to protect people from health impacts.