

## What are chlorosilanes?

Chlorosilanes are chemical compounds made up of silicon, carbon, hydrogen and chlorine. They are used to manufacture silicone products.

A chlorosilane is a colorless or lightly colored liquid. It reacts with water to form hydrochloric acid and silicone products. This happens when chlorosilanes contact humid air or rain.

**Chlorosilanes have a sharp, disagreeable odor.** This odor is an early warning signal, even at very low concentrations.

**Chlorosilanes may form a visible cloud.** If you cannot stay indoors (shelter-in-place), move up-wind and avoid any visible cloud.

**Chlorosilanes are flammable.** A spark or an open flame may ignite the vapors.

## Effects of exposure

	<i>Possible effects</i>	<i>What to do</i>
<b>Breathing</b>	Severe irritation to the upper airway, chemical burns and choking	Immediately seek fresh air and get medical attention. Monitor for airway irritation.
<b>Eyes</b>	Vapors are severely irritating, causing pain and watering with the potential for chemical burns.	Immediately flush open eyes with cool or lukewarm water for at least <b>15 minutes</b> . Get medical attention.
<b>Skin</b>	Vapors may irritate. Direct liquid contact may produce a severe chemical burn.	Immediately flush skin with cool or lukewarm water for at least <b>15 minutes</b> . Get medical attention.
<b>Accidental Ingestion</b>	Slight to severe chemical burns in the mouth, throat and stomach	Get immediate medical attention. Do not induce vomiting.

## Stay indoors – “shelter-in-place”

Local officials may advise you to stay indoors, known as “shelter-in-place.” This protects people and pets until the hazard of a chemical release has passed.

## Chlorosilane Fact Sheet

DOW CORNING

- ✓ Take shelter in a building.
- ✓ Close all doors and windows.
- ✓ Turn off fans, air conditioners, furnaces and pilot lights.
- ✓ Put out fires in fireplaces or wood stoves. Close all dampers.
- ✓ Go to an interior room or hallway. Use duct tape, plastic sheeting or towels to seal doors and windows.
- ✓ **If you are in a vehicle**, shut off the engine. If possible, take shelter inside the nearest building. Or turn off the fan, air conditioner and heater. Close all doors, windows and vents.
- ✓ Stay inside and listen to **cable TV, WIKI 95.3 FM or WKID 95.9 FM** for further instructions. **Call 911 for emergencies only.**
- ✓ Stay inside until local officials give the **“All Clear”** and any additional information.

### What to do after the “All Clear”

- ✓ **People** who experience symptoms should go to the hospital emergency room for evaluation.
- ✓ **People, including children and pets**, can go outside.
- ✓ **Building and car** windows, dampers and vents can be opened. Heating or air conditioning systems can be used.
- ✓ **Fruits and vegetables** from outside should be washed thoroughly before use.
- ✓ **Trees, shrubs and lawns** may discolor and require additional watering.
- ✓ **Rivers, ponds, streams and swimming pools** should be unaffected.

### More information

<b>Dow Corning</b> 4770 U.S. Hwy. 42 East Carrollton, KY 41008 <b>(502) 732-2000</b>	<b>Carroll Co. Hospital</b> 309 Eleventh St. Carrollton, KY 41008 <b>(502) 732-4321</b>	<b>Emergency Mgt.</b> 829 Polk St. Carrollton, KY 41008 <b>(502) 732-7019</b>
---	--	--