



# 1,3-DICHLOROACETONE

UN 2649

Shipping Name: 1,3-Dichloroacetone  
Other Names: Bis (chloromethyl) ketone  
1,3-Dichloro-2-propanone



## Hazards:

- Highly irritating to skin, eyes, nose and lungs; can cause burns and blindness
- Fire fighting gear (including SCBA) does not provide adequate protection. If exposure occurs, remove and isolate gear immediately and thoroughly decontaminate personnel
- Container may explode when exposed to fire
- Vapors are heavier than air and will collect and stay in low areas
- Combustion and decomposition products upon heating include toxic hydrogen chloride

## Description:

- Crystalline solid
- No odor found
- Sinks in water and is moderately soluble in water
- Flammable
- Vapors are heavier than air and will collect and stay in low areas
- Melts at 113° F

## Operational Level Training Response:

### RELEASE, NO FIRE:

- Cover material to protect from wind, rain or spray
- Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release

### FIRE:

- Material does not easily burn; fight surrounding fire with an agent appropriate for the burning material
- Cool exposed containers with large quantities of water from unattended equipment or remove intact containers if it can be done safely
- If cooling streams are ineffective (unvented container distorts, bulges or shows any other signs of expanding), withdraw immediately to a secure location

## Awareness and Operational Level Training

### Response:

- **Do not put yourself in danger by entering a contaminated area to rescue a victim**
- Stay upwind and uphill
- Determine the extent of the problem
- Isolate the area of release or fire and deny entry
- For container exposed to fire evacuate the area in all directions because of the risk of explosion
- Evacuate or shelter in place the immediate area and downwind for a large release
- Notify local health and fire officials and pollution control agencies
- If material or contaminated runoff enters waterways, notify downstream users of potentially contaminated water

## First Aid:

- **Do not put yourself in danger by entering a contaminated area to rescue a victim**
- Provide Basic Life Support/CPR as needed
- Decontaminate the victim as follows:
  - ◆ Inhalation - remove the victim to fresh air and give oxygen if available
  - ◆ Skin - remove and isolate contaminated clothing (including shoes) and wash skin with soap and large volumes of water for 15 minutes
  - ◆ Eye - rinse eyes with large volumes of water or saline for 15 minutes
  - ◆ Swallowed - do not make the victim vomit
- Seek medical attention

CAS: 534-07-6