

**Common Name: ALDICARB**

Synonyms: Temik; Union Carbide UC-21149  
 CAS Number: 116-06-3  
 Molecular Formula: C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S  
 RTK Number: 0031  
 Description: White, crystalline (sand-like) solid which is usually formulated into granules

### HAZARD DATA

Hazard Rating	Firefighting	Reactivity
<b>Health:</b> 3 <b>Fire:</b> 0 <b>Reactivity:</b> 0 <b>DOT #:</b> UN 2757 <b>ERG #:</b> 151 <b>DOT Hazard:</b> 6.1 (poison)	POISONOUS FUMES ARE PRODUCED IN FIRE, including <i>Nitrogen Oxides</i> and <i>Sulfur Oxides</i> . CONTAINERS MAY EXPLODE IN FIRE. Use water spray to keep fire-exposed containers cool. Use dry chemical, CO <sub>2</sub> , water spray or foam as extinguishing agents.	<b>Aldicarb</b> is not compatible with HIGHLY ALKALINE SUBSTANCES.

### SPILLS/LEAKS

**Isolation Distances:**  
**Liquid Spill:** 50 meters (150 feet)  
**Solid Spill:** 25 meters (75 feet)  
**Fire:** 800 meters (1/2 mile)

Evacuate personnel.  
 Secure and control entrance to the area.  
 If it is safe to do so, remove potential ignition sources.  
 Collect *powdered* material in the most convenient and safe manner and deposit in sealed containers.  
 DO NOT DRY SWEEP.  
 Use a vacuum with a high-efficiency particulate air (HEPA) filter to reduce *dust* during clean-up.  
 Do not allow this substance to enter waterways, including sewers, as it is very toxic to aquatic life with long-lasting effects.  
 Ventilate area after clean-up is complete.

### PHYSICAL PROPERTIES

**Boiling Point:** Decomposes  
**Molecular Weight:** 190.23  
**Melting Point:** 99-100 °C (210-214 °F)  
**Vapor Pressure:** 1 x 10<sup>-4</sup> mm Hg at 25 °C (77 °F)  
**Specific Gravity:** 1.195 at 25 °C (77 °F)  
**Water Solubility:** Insoluble

### EXPOSURE LIMITS

There are no occupational exposure limits for this substance.

**PAC:** PAC-1 = 0.027 mg/m<sup>3</sup>  
 PAC-2 = 0.3 mg/m<sup>3</sup>  
 PAC-3 = 1.8 mg/m<sup>3</sup>

### PROTECTIVE EQUIPMENT

**Gloves:** Nitrile, Neoprene  
**Coverall:** Tychem® BR, CSM and TK or the equivalent  
**Respirator:** High exposure - Supplied-air, full facepiece, pressure-demand or another positive-pressure mode

### ACUTE HEALTH EFFECTS

**Eyes:** Blurred vision  
**Skin:** Irritation  
**Inhalation:** Headache, dizziness, chest tightness, twitching, loss of coordination, convulsions, coma, death

### FIRST AID AND DECONTAMINATION

Immediately flush with large amounts of water for at least 15 minutes.  
 Quickly remove contaminated clothing. Immediately wash area with large amounts of water.  
 Shampoo hair promptly if contaminated.  
 Remove the person from exposure.  
 Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.  
 Transfer promptly to a medical facility.