

Common Name: **ETHANOL, 1,2-DICHLORO-, ACETATE**

Synonyms: 1,2-Dichloroethyl Acetate

CAS No: 10140-87-1

Molecular Formula: C₄H₆Cl₂O₂

RTK Substance No: 2394

Description: Water-white liquid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health 1 - Fire 0 - Reactivity DOT#: UN 1993 ERG Guide #: 128 Hazard Class: 3 (Flammable)	COMBUSTIBLE LIQUID Use dry chemical, CO ₂ , water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Chlorine</i> and <i>Phosgene</i> . CONTAINERS MAY EXPLODE IN FIRE. Use water spray to keep fire-exposed containers cool. Vapors may travel to a source of ignition and flash back. Ethanol, 1,2-Dichloro-, Acetate may form an ignitable vapor/air mixture in closed tanks or containers.	Ethanol, 1,2-Dichloro-, Acetate explodes when heated with NITRATES. Ethanol, 1,2-Dichloro-, Acetate reacts with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to release heat and poisonous gases (such as <i>Hydrogen Chloride</i>). Ethanol, 1,2-Dichloro-, Acetate is not compatible with STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and REDUCING AGENTS (such as LITHIUM, SODIUM, ALUMINUM and their HYDRIDES).

SPILL/LEAKS

Isolation Distance:

Spill: 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Absorb liquids in dry sand, earth, or a similar material and place into sealed containers for disposal.

Foam can be used to suppress vapors.

PHYSICAL PROPERTIES

Flash Point: 162.3°F (72.4°C)

Specific Gravity: 1.29 (water = 1)

Water Solubility: Insoluble

Boiling Point: 136° to 149°F (58° to 65°C)

Freezing Point: -26°F (-32.2°C)

Molecular Weight: 157

EXPOSURE LIMITS

No occupational exposure limits have been established for **Ethanol, 1,2-Dichloro-, Acetate**.

The Protective Action Criteria values are:

PAC-1 = 1 ppm PAC-2 = 1.71 ppm PAC-3 = 6 ppm

PROTECTIVE EQUIPMENT

Gloves: Viton/Butyl, Silver Shield®/4H®, Viton and Barrier® (>4-hr breakthrough)

Coveralls: Tychem BR, CSM and TK® (>8-hr breakthrough)

Respirator: SCBA

HEALTH EFFECTS

Eyes: Irritation, burns and possible eye damage

Skin: Irritation and burns

Inhalation: Nose, throat and lung irritation, with coughing, and severe shortness of breath (pulmonary edema)

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

Medical observation is recommended as symptoms may be delayed.