

Common Name: **AMMONIUM ACETATE**

Synonyms: Acetic Acid, Ammonium Salt

CAS No: 631-61-8

Molecular Formula: C₂H₇NO₂

RTK Substance No: 0085

Description: White, crystalline solid with a slight vinegar-like odor

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health 1 - Fire 0 - Reactivity DOT#: UN 9079 ERG Guide #: 171 Hazard Class: 9 (Miscellaneous Hazardous Substance)	Ammonium Acetate may burn, but does not readily ignite. Use dry chemical, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Ammonia</i> and <i>Nitrogen Oxides</i> . Use water spray to keep fire-exposed containers cool.	Ammonium Acetate is not compatible with SODIUM HYPOCHLORITE and OTHER OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); and STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE). Ammonium Acetate readily absorbs moisture from the air and releases <i>Ammonia</i> under normal conditions.

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

Ammonium Acetate rapidly degrades in water.

PHYSICAL PROPERTIES

Odor Threshold: Vinegar-like odor

Specific Gravity: 1.1 (water = 1)

Water Solubility: Soluble

Melting Point: 237°F (114°C)

Molecular Weight: 77.1

EXPOSURE LIMITS

The Protective Action Criteria values are:

PAC-1 = 7.5 mg/m³

PAC-2 = 50 mg/m³

PAC-3 = 250 mg/m³

PROTECTIVE EQUIPMENT

Gloves: Nitrile and Neoprene

Coveralls: Tyvek®

Respirator: Full facepiece APR with *High efficiency filters*
>7.5 mg/m³ - SCBA

HEALTH EFFECTS

Eyes: Irritation and burns

Skin: Irritation and burns

Inhalation: Nose, throat and lung irritation with coughing, wheezing and/ shortness of breath

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 water.

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

Transfer promptly to a medical facility.