

# Mallinckrodt

## Material Safety Data

Emergency Phone Number: 314-982-5000

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Mallinckrodt, Inc., Science Products Division, P.O. Box M, Paris, KY 43061.

### POTASSIUM ACETATE

#### PRODUCT IDENTIFICATION:

Synonyms: Acetic acid, potassium salt

Formula CAS No.: 127-08-2

Molecular Weight: 98.14

Chemical Formula:  $KC_2H_3O_2$

Hazardous Ingredients: Not applicable.

#### PRECAUTIONARY MEASURES

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

#### EMERGENCY/FIRST AID

SEE SECTION 5.

DOT Hazard Class: Not Regulated

#### SECTION 1 Physical Data

Appearance: Transparent, colorless crystals.

Odor: Odorless.

Solubility: 200 g in 100 g water.

Boiling Point: No information found.

Melting Point: 292°C (558°F)

Specific Gravity: 1.57

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate: No information found.

#### SECTION 2 Fire and Explosion Information

##### **Fire:**

Not considered to be a fire hazard.

##### **Explosion:**

Not considered to be an explosion hazard.

##### **Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

##### **Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

#### SECTION 3 Reactivity Data

##### **Stability:**

Stable under ordinary conditions of use and storage.

##### **Hazardous Decomposition Products:**

Possibly oxides of carbon and potassium at high temperatures. Emits acrid fumes when heated.

##### **Hazardous Polymerization:**

This substance does not polymerize.

##### **Incompatibilities:**

No incompatibility data found.

#### SECTION 4 Leak/Spill Disposal Information

Ventilate area or leak or spill. Clean-up personnel may require protective clothing and respiratory protection from dust. Spills: Sweep up and containerize for reclamation or disposal. Avoid dust dispersal. Trace residue may be flushed to sewer with large amounts of water. Disposal: Whatever cannot be saved for reclamation may be disposed in an approved waste disposal facility.

Ensure compliance with local, state and federal regulations.

**SECTION 5 Health Hazard Information**

**A. EXPOSURE / HEALTH EFFECTS**

**Inhalation:**

May cause irritation of nose or throat.

**Ingestion:**

Extremely large oral dosages may produce gastrointestinal disturbances. Has diuretic effect.

**Skin Contact:**

No adverse effects expected but may cause minor skin irritation.

**Eye Contact:**

May cause mild irritation, possible reddening.

**Chronic Exposure:**

No adverse health effects expected.

**Aggravation of Pre-existing Conditions:**

No adverse health effects expected.

**B. FIRST AID**

**Inhalation:**

Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**Skin Exposure:**

Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Exposure:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation develops.

**C. TOXICITY DATA (RTECS, 1982)**

Oral rat LD50: 3250 mg/kg

**SECTION 6 Occupational Control Measures**

**Airborne Exposure Limits:**

None established.

**Ventilation System:**

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**Personal Respirators: (NIOSH Approved)**

For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

**Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

**SECTION 7 Storage and Special Information**

Store in a cool, dry, ventilated area away from sources of heat or ignition.

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