



From: Avantor Performance Materials, Inc.  
Saucon Valley Plaza  
3477 Corporate Parkway  
Suite #200  
Center Valley, PA 18034



24 Hour Emergency Telephone: 908-859-2151  
CHEMTREC: 1-800-424-9300

National Response in Canada  
CANUTEC: 613-996-6666

Outside U.S. and Canada  
Chemtrec: 703-527-3887

**NOTE:** CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service, 1-855-AVANTOR (855-282-6867) for assistance.

## POTASSIUM ACETATE

### 1. Product Identification

**Synonyms:** Acetic acid, potassium salt

**CAS No.:** 127-08-2

**Molecular Weight:** 98.15

**Chemical Formula:** KC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>

**Product Codes:**

J.T. Baker: 2912, 2914, 2915, 2917, 6072

Macron: 6696, 6700, 7797

### 2. Composition/Information on Ingredients

| Ingredient        | CAS No   | Percent   | Hazardous |
|-------------------|----------|-----------|-----------|
| Potassium Acetate | 127-08-2 | 99 - 100% | Yes       |

### 3. Hazards Identification

#### Emergency Overview

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.

**SAF-T-DATA<sup>(tm)</sup>** Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)

#### Potential Health Effects

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**Inhalation:**

May cause mild irritation to the respiratory tract.

**Ingestion:**

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

**Skin Contact:**

No adverse effects expected. May cause mild irritation and redness.

**Eye Contact:**

No adverse effects expected. May cause mild irritation, possible reddening.

**Chronic Exposure:**

No adverse health effects expected.

**Aggravation of Pre-existing Conditions:**

No adverse health effects expected.

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## 4. First Aid Measures

**Inhalation:**

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

**Ingestion:**

If large amounts were swallowed, give water to drink and get medical advice.

**Skin Contact:**

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

**Eye Contact:**

Wash thoroughly with running water. Get medical advice if irritation develops.

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## 5. Fire Fighting Measures

**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.

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## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

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## 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

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## 8. Exposure Controls/Personal Protection

### **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 dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

### **Skin Protection:**

Wear protective gloves and clean body-covering clothing.

### **Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

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## 9. Physical and Chemical Properties

### **Appearance:**

White, deliquescent, crystalline powder.

### **Odor:**

Odorless.

### **Solubility:**

200 g/100 g water.

### **Specific Gravity:**

1.57 @ 25C

### **pH:**

9.7 Conc: 0.1M (solution)

### **% Volatiles by volume @ 21C (70F):**

0

### **Boiling Point:**

No information found.

### **Melting Point:**

292C (558F)

### **Vapor Density (Air=1):**

No information found.

### **Vapor Pressure (mm Hg):**

No information found.

### **Evaporation Rate (BuAc=1):**

No information found.

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## 10. Stability and Reactivity

### **Stability:**

Stable under ordinary conditions of use and storage.

### **Hazardous Decomposition Products:**

May produce oxides of carbon and the contained metal.

### **Hazardous Polymerization:**

Will not occur.

### **Incompatibilities:**

Strong oxidizing agents.

### **Conditions to Avoid:**

Moisture, heat, flames, ignition sources and incompatibles.

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## 11. Toxicological Information

Oral rat LD50: 3250 mg/kg

|                              |       |                      |               |
|------------------------------|-------|----------------------|---------------|
| -----\Cancer Lists\-----     |       |                      |               |
|                              |       | ---NTP Carcinogen--- |               |
| Ingredient                   | Known | Anticipated          | IARC Category |
| -----                        |       |                      |               |
| Potassium Acetate (127-08-2) | No    | No                   | None          |

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## 12. Ecological Information

**Environmental Fate:**

No information found.

**Environmental Toxicity:**

No information found.

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## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 14. Transport Information

Not regulated.

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## 15. Regulatory Information

|  |      |     |       |           |
|--|------|-----|-------|-----------|
| -----\Chemical Inventory Status - Part 1\----- |      |     |       |           |
| Ingredient                                     | TSCA | EC  | Japan | Australia |
| -----  |      |     |       |           |
| Potassium Acetate (127-08-2)                   | Yes  | Yes | Yes   | Yes       |

|  |       |            |      |       |
|--|-------|------------|------|-------|
| -----\Chemical Inventory Status - Part 2\----- |       |            |      |       |
|  |       | --Canada-- |      |       |
| Ingredient                                     | Korea | DSL        | NDSL | Phil. |
| -----  |       |            |      |       |
| Potassium Acetate (127-08-2)                   | Yes   | Yes        | No   | Yes   |

|   |    |            |      |                             |
|---|----|------------|------|-----------------------------|
| -----\Federal, State & International Regulations - Part 1\----- |    |            |      |                             |
|   |    | -SARA 302- |      |                             |
| Ingredient  | RQ | TPQ        | List | SARA 313-<br>Chemical Catg. |
| -----   |    |            |      |                             |
| Potassium Acetate (127-08-2)                                    | No | No         | No   | No                          |

|   |        |        |        |
|---|--------|--------|--------|
| -----\Federal, State & International Regulations - Part 2\----- |        |        |        |
|   |        | -RCRA- | -TSCA- |
| Ingredient  | CERCLA | 261.33 | 8(d)   |

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Potassium Acetate (127-08-2)

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No

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No

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No

Chemical Weapons Convention: No      TSCA 12(b): No      CDTA: No  
SARA 311/312: Acute: No      Chronic: No      Fire: No      Pressure: No  
Reactivity: No      (Pure / Solid)

**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

**WHMIS:**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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## 16. Other Information

**NFPA Ratings:** Health: 1 Flammability: 0 Reactivity: 0

**Label Hazard Warning:**

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.

**Label Precautions:** None.

**Label First Aid:** Not applicable.

**Product Use:** Laboratory Reagent.

**Revision Information:** No Changes.

**Disclaimer:**

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**Prepared by:** Environmental Health & Safety