



Distributed by: A-1 Fire Protection  
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## Wet Chemical Potassium Acetate Solution - September 1999

### Section 1 - Name & Hazard Summary

**Material name:** AC-50, 60, 100, & 250 Wet Chemical Potassium Acetate Solution

**Manufacturer:** Badger Fire Protection Phone (804) 973-4361

### Section 2 - Ingredients

**OSHA PEL:** N/A **ACGIH TLV:** N/A **Other Exposure Limits:** N/A

**CAS No:** N/A

Contains potassium acetate. Under federal hazard communication standard 29 CFR 1920.1200 and current department of labor regulations potassium acetate is not a hazardous material.

### Section 3 - Physical Data

**Boiling point:** Decomposes **Specific gravity (H<sub>2</sub>O=1):** 1.57

**Vapor Pressure (mm Hg):** N/A

**Vapor density (Air = 1):** N/A **Solubility in water:** 70% at 20° C.- Appreciable

**Reactivity in Water:** N/A

**Appearance and odor:** Fine white crystals **Melting Point:** 292°C

### Section 4 - Fire and Explosion Hazard Data

**Flash point:** N/A **Method Used:** N/A

**Flammable Limits in Air% by Volume:** LEL Lower: N/A UEL Upper: N/A

**Auto-ignition Temp.:** N/A **Extinguisher Media:** Water, CO<sub>2</sub>, Dry Chemical

**Special Fire Fighting Procedures:** Wear NIOSH approved self contained breathing apparatus. Use water spray to soak containers.

**Unusual Fire and Explosion Hazards:** When heated to decomposition may emit flammable or toxic fumes.

### Section 5 - Reactivity Data

**Stability:** Stable **Conditions to Avoid:** N/A

**Hazardous polymerization:** Will not occur. **Conditions to Avoid:** N/A

### Section 6 - Health Hazard Assessment

**Acute:** N/A

**Chronic:** Excessive inhalation of dust may irritate respiratory tract. Contact with the skin may cause mild irritation. Ingestion may irritate gastro intestinal tract.

**Signs and Symptoms of Exposure: Ingestion:** Tends to induce spontaneous vomiting as with any potassium salt.

Ingestion of large amounts can cause seizures, disturbance of cardiac rhythm and respiratory failure.

**Medical Conditions Generally Aggravated by Exposure:** Pre-existing respiratory ailments.

**Chemical Listed as Carcinogen or Potential Carcinogen: National Toxicology Program:** No

**I.A.R.C.:** No **OSHA:** No

**Emergency and First Aid Procedures:** Eyes-promptly flush with plenty of water. Skin-wash with soap and water. Ingestion-if conscious give victim (2) or more glasses of water. Seek medical attention for eyes or ingestion.

**Routes Of Entry:** 1. **Inhalation:** Yes 2. **Eyes:** Yes 3. **Skin:** Yes 4. **Ingestion:** Yes

### Section 7 - Spill or Leak Procedures

**Precautions to be Taken in Handling and Storage:** Store in a cool dry place. Keep containers closed.

**Other Precautions:** Use good personal hygiene and good housekeeping practices.

**Steps to be Taken in Case Material is Released or Spilled:** Promptly shovel powder into clean empty drums. Flush residue with plenty of water.

**Waste Disposal Methods:** Dispose of in secure solid waste approved land fill, in compliance with federal, state, and local regulations.

### Section 8 - Special Protection Information

**Respiratory Protection:**

**Ventilation: Mechanical (General):** Usually natural is adequate in absence of dust.

**Special:** None **Other:** N/A

**Local Exhaust:** Recommended if dusty.

**Protective Gloves:** Rubber or Plastic

**Eye Protection:** Dust goggles

**Other Protective Clothing or Equipment:** Long sleeved shirt and trousers.

**Work/Hygienic Practices:** Avoid contact with eyes and skin.