



Anti-Freeze Charge

MATERIAL SAFETY DATA SHEET

Emergency # (800) 424-9300

4251 Seminole Trail

Charlottesville, VA 22911 (434) 973-4361

Date: July, 2002

SECTION 1 - NAME & HAZARD SUMMARY

Material name: AC-40 Loaded Stream Anti-Freeze Charge

Manufacturer: Badger Fire Protection, Inc. Phone (434) 973-4361

SECTION 2 - INGREDIENTS

OSHA PEL: Not Applicable **ACGIH TLV:** Not Applicable **Other Exposure Limits:** Not Applicable **CAS No:** Not Applicable

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 (H₂O=1):** 1.57 **Vapor Pressure (mm Hg):** NA

Vapor density (Air = 1): NA **Solubility in water:** 70% at 20 degrees C. - Appreciable

Reactivity in Water: NA **Appearance and odor:** Fine white crystals **Melting Point:** 292 degrees Celsius

SECTION 4 - FIRE & EXPLOSION HAZARD

Flash point : NA **Method Used:** NA **Flammable Limits in Air % by Volume:** LEL Lower: NA UEL Upper: NA

Auto-Ignition Temp.: NA **Extinguisher Media:** Water, CO₂, 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:** Not Applicable

Hazardous polymerization: Will not occur. **Conditions to Avoid:** NA

SECTION 6 - HEALTH HAZARD ASSESSMENT

Acute: NA **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: NA **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.

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