



J.L. INDUSTRIES  
INCORPORATED

# JL Industries

## Grenadier

### MATERIAL SAFETY DATA SHEET

Emergency # (800) 424-3300

4251 Seminole Trail

Charlottesville, VA 22911 (804) 973-4361

Date: December 1999

#### SECTION 1 – NAME & HAZARD SUMMARY

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

**Manufacturer:** Badger Fire Protection, Inc. 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 & EXPLOSION HAZARD

**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

AC-40 Loaded Stream Anti-Freeze charge continued:

## 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.

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