

MATERIAL SAFETY DATA SHEET

Prepared By: Theatre Effects
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Identity (Trade Name): CS102, CS103, CS104, CS105, CS107.

CAS Number: Potassium Chlorate 3811-04-9
Ammonium Chloride 12125-02-9

Date Prepared: 11/01/2013

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Components: 23% Potassium Chlorate
47% Ammonium Chloride

SECTION 2 - CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Melting Point: N/A
Vapor Pressure: N/A
Specific Gravity: 1.4
Vapor Density: N/A
Solubility in Water: TO 85%
Evaporation Rate: N/A
Water Reactive: No
Appearance and Odor: White or Colored Powder compressed in plastic tubes.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Auto Ignition Temp.: 250 C
Flammability limits in air: N/A
LEL: N/A
UEL: N/A
Extinguishing Media: Water only
Special Fire Fighting Proc: None
Unusual Fire & Expl Hazrds: When burning the cartridges produce a large amount of smoke at a constant rate.

SECTION 4 - REACTIVITY HAZARD DATA

Stability: Stable
Cond to Avoid (Stability): Avoid open flames and high temperature.
Materials to Avoid: None
Hazardous Decomp. Prod: N/A
Hazardous Polymerization: Will not occur.
Cond. to avoid (Poly): None

SECTION 5 - HEALTH HAZARD DATA

Route of Entry - Inhalation: No
Route of Entry - Skin: No
Route of Entry - Ingestion: Yes
Carcinogen Listed in: Not listed.
Health Hazard, Acute: Toxic by ingestion.
Health Hazard, Chronic: In severe case kidney damage.
Symptoms of Exposure: Ingestion may give abdominal pain.
Med. Cond. Generally
Aggravated By Exp: Get medical assistance for all overexposure.

Emergency/First Aid Procedures

EYES: Flush with water for 15 minutes
SKIN: Wash with plenty of water.
INHALATION: Fresh air, keep warm. Get medical assistance if breathing problems occur.
INGESTION: Get medical assistance.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: Dust filter respirator 2B when exposed to smoke for a long time.
Protective Gloves: Not required.
Eye Protection: Not required.
Ventilation To Be Used: Local exhaust.
Other Protective Equipment: None.
Work Hygienic Practices: Wash after handling.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/ LEAK PROCEDURE

Steps If Matl. Released/Spill: Cleaning the area with water.
Waste Disposal Method: Incinerate in a safe place.
Precautions For
Handling/Storing: Store in a dry place at a temperature below 40 C. Keep out of reach of children.
Other Precautions: N/A
NFPA RATING
Health: 1
Flammability: 1
Reactivity: 0
Special: 1