

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB. No. 1218-0072



IDENTITY (As Used on Label and List)
FC03 Red A & B Flash Powder ("B")

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the spaces must be marked to indicate that.

Section I

| | |
|--|---|
| Manufacturer's Name Theatre Effects | Emergency Telephone Number 301-491-1387 |
| Address (Number, Street, City, State, and ZIP Code) 642 Frederick Street | Telephone Number for Information 301-791-7646 |
| Hagerstown, Maryland 21740-6815 | Date Prepared 9/15/99 |
| | Signature of Preparer (optional) |

Section II -- Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity: Common name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|--|------------------------|------------------------|--------------------------|-----------------|
| Strontium Nitrate (Strontium Nitrate, Crystal • Strontium (II) Nitrate) | Not established | Not established | None recommended | 90 - 100 |
| Non-Hazardous Component: Red Gum (Accroides Resin) | N/A | N/A | N/A | N/A |

Section III -- Physical/Chemical Characteristics

| | |
|---|--|
| Boiling Point N/A | Specific Gravity (H ₂ O = 1) 2.99 |
| Vapor Pressure (mm Hg.) N/A | Melting Point 570°C or 1058°F |
| Vapor Density (AIR = 1) 7.30 | Evaporation Rate (Butyl Acetate = 1) N/A |
| Solubility in Water Appreciable (more than 10%) | % Volatiles by Volume: 0 |
| Appearance and Odor White granules or powder with no odor | |

Section IV -- Fire and Explosion Hazard Data

| | | | |
|---|---|-------------------|-------------------|
| Flash point (Method used) N/A | Flammable Limits N/A | LEL N/A | UEL N/A |
| Extinguishing Media Use water spray | | | |
| Special Fire Fighting Procedures | Firefighters wear proper protective equipment and self contained breathing apparatus with full facepiece operated in positive pressure. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. | | |
| Unusual Fire and Explosion Hazards | Strong oxidizer. Contact with other material may cause fire. Closed containers exposed to heat may explode. | | |

Section V -- REACTIVITY DATA

| | | | | |
|-----------|----------|---|---------------------|-------------|
| Stability | Unstable | | Conditions to Avoid | Heat, flame |
| | Stable | X | | |

Incompatibility (*Materials to Avoid*) **Strong reducing agents, combustible materials**

Hazardous Decomposition or Byproducts **Oxides of nitrogen**

| | | | | |
|--------------------------|----------------|---|---------------------|-----|
| Hazardous Polymerization | May Occur | | Conditions to Avoid | N/A |
| | Will Not Occur | X | | |

Section VI -- Health Hazard Data

Route(s) of Entry: Inhalation? **Yes** Skin? **Yes** Ingestion? **No**

Health Hazards (*Acute and Chronic*) **Contact with skin and eyes may cause irritation.**

Carcinogenicity: NTP? **No** ARC Monographs? **No** OSHA Regulated? **No**

Signs and Symptoms of Exposure **Irritation, nausea, vomiting, coughing, tearing**

Medical Conditions Generally Aggravated by Exposure **Individuals with pre-existing conditions of the eye, skin, respiratory tract may have increased susceptibility to the toxicity of excessive exposures.**

Emergency and First Aid Procedures **Call a physician. Ingestion: If conscious, immediately induce vomiting.**

Section VII -- Precautions for Safe Handling and Use

Steps to Be taken in Case Material is Released or Spilled **Wear suitable protective clothing. Keep combustibles (wood, paper, oil, etc.)**

away from spilled material. With clean shovel, carefully place material into clean, dry

container and cover. Remove from area. Flush spill area with water.

Waste Disposal Method **Dispose in accordance with all applicable federal, state and local environmental regulations.**

Precautions to be Taken in Handling and Storing **Store in a cool, dry place, away from incompatible materials. Avoid storage on wood floors. Protect against physical damage. Keep tightly closed.**

Other Precautions **Irritant. Do not get in eyes, on skin or on clothing. Do not breathe dusts. Keep out of reach of children. Do not take internally. Use only in a chemical fume hood.**

Section VIII -- Control Measures

| | | | |
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| Respiratory Protection (<i>Specify Type</i>) | None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask. | Special | None |
|--|--|---------|-------------|

| | | | | |
|-------------|---------------|---|-------|-------------|
| Ventilation | Local Exhaust | X (or adequate general exhaust) to keep fume levels as low as possible | Other | None |
|-------------|---------------|---|-------|-------------|

| | |
|-------------------------------|---|
| Mechanical (<i>General</i>) | X (if adequate to keep fume levels as low as possible) |
|-------------------------------|---|

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| Protective Gloves | Butyl rubber gloves | Eye Protection | Safety glasses with sideshields |
|-------------------|----------------------------|----------------|--|

Other Protective Clothing or Equipment **Appropriate protective clothing and equipment.**

Work/Hygienic Practices **Observe good industrial hygiene practices and recommended procedures. Wash after handling and before eating or drinking.**