

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)

Item 3412 Chimfex
Chimney Fire Extinguisher

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

Section I

Manufacturer's Name

RUTLAND PRODUCTS

Address (Number, Street, City, State, and Zip Code)

7 CRABTREE ROAD
JACKSONVILLE, IL 62650

Emergency Telephone Number

CHEMTREC 800-424-9300

Telephone Number Information

217-245-7963

Date Prepared

4/9/2009

Date Revised

7/20/2009

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Chemical Identity	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Strontium Nitrate	10042-76-9	Not Established			
Potassium Perchlorate	7778-74-7	Not Established			
Sulfur	7704-34-9	Not Established			
Zinc Powder	7440-66-6	Not Established			

HMIS Rating - Health: 2 Flammability: 3 Reactivity: 1

Section III - Physical/Chemical Characteristics

Boiling Point	No Data	Specific Gravity (H ₂ O = 1)	No Data
Vapor Pressure (mm Hg)	Not established	Melting Point	No Data
Vapor Density (Air = 1)	No Data	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Greater than 300g/l powder

Appearance and Odor

Red cardboard tube containing yellowish-tan solid mixture

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>167°F (Oven)		None Established	None Established

Extinguishing Media

Use water deluge/flooding method

SUFFOCATION TECHNIQUES WILL NOT BE EFFECTIVE

Special Fire Fighting Procedures

Not applicable

Unusual Fire and Explosion Hazards

Devices will burn readily in a fire creating zinc oxide fumes.

Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material is involved in fire

The information presented herein is based either on data or opinion. Such data is, to the best of our knowledge, true and accurate. Such opinion is believed to be expert, and therefore generally reliable, but in some instances there are conflicts in expert opinion and in these instances we have relied on the opinion which, in our best judgment, appeared the most reasonable. All information herein is presented without guarantee or warranty and Rutland Products disclaims any liability incurred from the use thereof.

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	X	

Incompatibility (*Materials to Avoid*)

Strong oxidizers, strong acids, & chlorate salts

Hazardous Decomposition or Byproducts

Carbon monoxide, nitrogen oxides, sulfur oxides, and zinc oxide fumes (OSHA PEL: 5 mg/kg)

Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
Inhalation	Yes, when used in fire	No	No

Health Hazards (*Acute and Chronic*)

Eyes: Irritant

Skin: Irritant

Ingestion: Harmful if swallowed

Inhalation: Irritating to respiratory tract

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
No	No	No	Yes

Signs and Symptoms of Exposure

Eyes: Direct contact could cause severe irritation of eyes, possibly mild burns. Ingestion: stomach cramps.

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedures

In case of eye contact, flush with water for 15 minutes. Consult a physician.

In case of ingestion, consult a physician.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Scoop up. Avoid contamination with organic material. Place in fresh clean container and isolate. Do not seal container.

Waste Disposal Method

Dispose of in accord with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

REMOVE ALL SOURCES OF IGNITION

Other Precautions

Wear NIOSH/MHSA approved dust respirator. Wear goggles, boots, gloves, & impervious coveralls.

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

NIOSH/MHSA approved dust respirator, if tube broken or chemical exposed

Ventilation	Local Exhaust	Special
	Yes	None
	Mechanical (<i>General</i>)	Other
	None	None

Protective Gloves	Eye Protection
Yes	Safety glasses

Other Protective Clothing or Equipment

Boots & impervious coveralls

Work/Hygienic Practices

Wash hands after handling tubes