

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)

Code 211
Dry Mix 211

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 CRAB TREE ROAD
JACKSONVILLE, IL 62650

Emergency Telephone Number

CHEMTREC 800-424-9300

Telephone Number Information

217-245-7963

Date Prepared

April 1989

Date Revised

Sept. 04

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Chemical Identity	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Calcium aluminate cement	65997-16-2	Not listed	Not listed		
Cristobalite	14464-46-1	0.05mg/m ³	0.05mg/m ³	(respirable dust)	
Quartz	14808-60-7	0.1mg/m ³	0.1mg/m ³	(respirable dust)	

Quartz and cristobalite are forms of free silica contained in clay when it is mined.

HMIS Rating - Health: 2* Flammability: 0 Reactivity: 0

*Denotes a chronic health hazard. See Section VI.

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.2
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Not soluble in water.

Appearance and Odor

Light brown powder, no odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	N/A				
Special Fire Fighting Procedures	N/A				
Unusual Fire and Explosion Hazards	N/A				

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 Keep dry.
	Stable	X	
Incompatibility (Materials to Avoid)	N/A		
Hazardous Decomposition or Byproducts			

None

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

Section VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Chronic: delayed lung fibrosis, silicosis. Acute: irritation to lungs, throat, mucous membrane, irritation of the eyes. Wet cement can dry the skin and cause alkali burns.

Carcinogenicity	NTP? Yes	IARC Monographs? OSHA Regulated?	No
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Respirable crystalline silica from occupational sources is listed by IARC as a human carcinogen.

Signs and Symptoms of Exposure Irritation of lungs, throat, mucous membrane, irritation of the eyes.

Wet cement can dry the skin and cause alkali burns.

Medical Conditions Generally Aggravated by Exposure

Damaged and /or abraded skin can be aggravated by handling of wet cement.

Emergency and First Aid Procedures

Irrigate eyes immediately and repeatedly with water and get prompt medical attention.

Wash skin with soap and water. If ingested, call physician.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Scoop up.

Waste Disposal Method

Dispose of in accord with all local, state and federal laws.

Precautions to Be Taken in Handling and Storing

Keep dry. Wear appropriate safety equipment.

Other Precautions

Keep out of reach of children.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Use NIOSH approved dust respirator.

Ventilation	Local Exhaust	Special
	Sufficient to keep dust below TLV.	
	Mechanical (General)	Other
	Sufficient to keep dust below TLV.	

Protective Gloves

Dry cement - abrasion resistant.

Other Protective Clothing or Equipment

Wet cement - chemical resistant gloves. Long sleeves, boots.

Work/Hygienic Practices

Keep workplace swept up.

Eye Protection

Safety goggles.