

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 64, 64C, 65, 66 67, 68, 68N
Furnace Cement

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

Aug 1990

Date Revised

Nov. 05

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Chemical Identity	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Hydroxide (Caustic Soda)	01310-73-2	2mg/m ³	2mg/m ³		
Sodium Silicate	01344-09-8	None Established		5mg/m ³	
Mica	12001-26-2	20 mppcf	3mg/m ³	Respirable Dust	
Silica, quartz	14808-60-7	10mg/m ³ / %SiO ₂	0.1mg/m ³	Respirable*	
Silica amorphous	07631-86-9	20 mppcf	10mg/m ³	Respirable	

* The silica and mica in this product are totally encapsulated and thus presents no inhalation danger to the user.

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

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.91
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

Binder portion of product dissolves in water until heat cured.

Appearance and Odor

Gray gunnable paste, no odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	LEL	UEL
			N/A	N/A

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
	Stable	X	

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

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?
	No	Yes	No

Health Hazards (Acute and Chronic)

Acute hazards are to eyes and skin if contacted. There are no chronic hazards known to be associated with this product. The mica and silica in this product are totally encapsulated and thus present r inhalation danger to the user.

Eyes: will cause watering and severe irritation. Prolonged contact may cause alkaline burns.

Skin: will cause irritation if contact is prolonged.

Carcinogenicity	NTP? No	IARC Monograph?	OSHA Regulated?
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No

Respirable silica from occupational sources is listed by IARC as a human carcinogen.

Signs and Symptoms of Exposure

See health hazards above.

Medical Conditions Generally Aggravated by Exposure

Skin sensitivity.

Emergency and First Aid Procedures

Eyes: wash with water for 15 minutes and consult a physician.

Wash off skin with soap and water.

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 local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Wear protection against contact with skin and eyes. Rotate stock.

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None required.

Ventilation	Local Exhaust	None Required	Special	No
	Mechanical (General)	No	Other	No

Protective Gloves

Chemical resistant.

Other Protective Clothing or Equipment

Apron, long sleeves.

Work/Hygienic Practices

Good housekeeping.

Eye Protection

Splash goggles.

NAME OF PRODUCT: Rutland Furnace Cemen

This product contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III.

CAS Number	Chemical Name	%WT
01310-73-2	Caustic Soda	1.0

NAME OF PRODUCT: Rutland Furnace Cemen

This product contains the following chemicals subject to the reporting requirements

of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). These chemicals are also subject to reporting under Section 304 of Title III, SARA.

<u>CAS Number</u>	<u>Chemical Name</u>	<u>%.WT</u>	<u>Reportable Quantity</u>
01310-73-2	Caustic Soda	1.0	1,000 lbs.