

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 FSC8, FSC16, FSC32, FSC64, FSC128
Chimney Sweep 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

Dec 1993

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)
Sodium Hydroxide (Caustic Soda)	01310-73-2	2mg/m ³	2mg/m ³		
Silicon Dioxide, Silica, Quartz, Sand	14808-60-7	0.1mg/m ³	0.05mg/m ³	(respirable)*	
Sodium Silicate	01344-09-8	N/E	N/E		

*The silica in this product is totally encapsulated and thus present 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)	2.1
Vapor Pressure (mm Hg)	N/A	Melting Point	2700°F
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Binder is soluble in water until heat cured.

Appearance and Odor

Moist, gritty, odorless paste.

Section IV - Fire and Explosion Hazard Data

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

None

Hazardous Decomposition or Byproducts

Silica will dissolve in Hydrofluoric Acid to yield Silicon Tetrafluoride a corrosive gas.

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

Section VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Alkalinity is an acute hazard to eyes and skin if contacted. There are no known chronic hazards associated with the normal use of this product since the free silica is encapsulated by the binder and therefore is non respirable and will not cause lung damage and silicosis.

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

Signs and Symptoms of Exposure

Watering, itching and burning eyes. Itching, inflamed and irritated skin with prolonged exposure.

Medical Conditions Generally Aggravated by Exposure

Skin Sensitivity.

Emergency and First Aid Procedures

Flush eyes with water for 15 minutes and consult a physician. Wash 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 or shovel into suitable receptacle. Wash area with water.

Waste Disposal Method

Dispose in accord with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Wear protection against skin and eye contact. Keep containers tightly closed and rotate stock.

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None required.

Ventilation Optional	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves Chemical resistant.	Eye Protection Splash goggles/safety glasses.
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Other Protective Clothing or Equipment

Apron, long sleeves - optional.

Work/Hygienic Practices

Good housekeeping.

NAME OF PRODUCT: Chimney Sweep 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
003130-73-2	Caustic Soda	1.0

NAME OF PRODUCT: Chimney Sweep 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 chemical 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>
001310-73-2	Caustic Soda	1.0	1,000 lbs.