

# 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 77E, 78E  
Stove Gasket 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

June 1990

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 Silicate	1344-09-8	Not established, N.E.		5 mg/m <sup>3</sup>	
Hydrous Aluminum Silicate	8031-18-3	N/A	N/A		
Carbon Black	1333-86-4	3.5mg/m3	3.5mg/m3	(Respirable)	

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

## Section III - Physical/Chemical Characteristics

Boiling Point		Specific Gravity (H <sub>2</sub> O = 1)	
Water-based	Approx. 212°F		1.5
Vapor Pressure (mm Hg)	N.E.	Melting Point	N/A
Vapor Density (Air = 1)	N.E.	Evaporation Rate (Butyl Acetate = 1)	N.E.

Solubility in Water

Dispersible in water.

Appearance and Odor

Black, gunnable paste consistency.

## 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	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead, and zinc.

Incompatibility (Materials to Avoid)

Material may gel if mixed with acid.

Hazardous Decomposition or Byproducts

**Hydrogen gas**

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	Yes	Yes

Health Hazards (*Acute and Chronic*)

Eyes: causes eye irritation. Skin: causes skin irritation. Inhalation: causes irritation to respiratory tract. Ingestion: causes irritation to esophagus and stomach. No known chronic hazards.

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

Signs and Symptoms of Exposure

Burning, itching in nose, throat, on skin. Pain, redness, tearing of eyes.

Medical Conditions Generally Aggravated by Exposure

**Asthma and lung diseases, skin diseases.**

Emergency and First Aid Procedures

In case of contact, immediately flush eyes or skin with plenty of water.

Call a physician. Wash clothing before reuse.

Ingestion: Do not induce vomiting. If victim is conscious, give a cup of water or milk. Get medical attention.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Mop up and flush to sewer with plenty of water.

Waste Disposal Method

Neutralize with dilute acid and landfill solids according to regulations.

Precautions to Be Taken in Handling and Storing

Rotate stock. Do not store at temperatures over 100 °F.

Other Precautions

Keep out of rivers and waterways. High alkalinity harmful to aquatic life.

**Section VIII - Control Measures**Respiratory Protection (*Specify Type*)

Use NIOSH approved mist respirator where airborne mist may occur.

Ventilation	Local Exhaust	Special	N/A
	Sufficient to keep below TLV.		
	Mechanical ( <i>General</i> )	Other	N/A
	Sufficient to keep below TLV.		

Protective Gloves

Rubber gloves.

Other Protective Clothing or Equipment

Safety shower, eyewash fountain should be within direct access.

Work/Hygienic Practices

Avoid contact with eyes, skin, and clothing. Wash after handling.

Eye Protection

Chemical splash goggles/face shield.