

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)

Seal and Gasket Cement Code **7718**

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

02-082

Manufacturer's Name
Rutland Inc.
 Address (Number, Street, City, State, and Zip Code)
 801 N. Church St.
 Jacksonville, IL 62650

Emergency Telephone Number
 704-865-6427
 Telephone Number for Information
 217-245-7963
 Date Prepared
 July 13, 1990
 Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Hydroxide (Caustic Soda) CAS#1310-73-2	2 mg/m ³	2 mg/m ³		
Mica CAS# 12001-28-2	5 mg/m ³	3 mg/m ³	(respirable)	
Silica, quartz CAS# 14808-60-7	10mg/m ³ ; %SiO ₂ +2	0.1mg/m ³	(respirable)	
Silica, amorphous CAS#7631-86-9	20mppcf	10 mg/m ³		

Section III - Physical/Chemical Characteristics

Boiling Point Water-based product	Approx. 212 F	Solubility (Butyl Acetate = 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 dissolve in water until heat cured		
Appearance and Odor	Black gunnable paste, no odor.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits		LEL N/A	UEL N/A
Extinguishing Media	N/A			
Special Fire Fighting Procedures	N/A			
Unusual Fire and Explosion Hazards	N/A = Not applicable			

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 judgement, appeared the most reasonable. All information herein is presented without guarantee or warranty and Rutland Products disclaims any liability incurred from the use thereof.

NAME OF PRODUCT Rutland Stove and Gasket Cement

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

<u>CAS NUMBER</u>	<u>CHEMICAL NAME</u>	<u>%,WT</u>
001310-73-2	Caustic Soda	1.0

NAME OF PRODUCT Rutland Stove and Gasket Cement

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</u>	<u>%,WT</u>	<u>REPORTABLE QUANTITY</u>
001310-73-2	Caustic Soda	1.0	1000 lbs.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable XX		

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition or Byproducts N/A

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur XX		

Section VI — Health Hazard Data

Route(s) of Entry	Inhalation? NO	Skin? yes	Ingestion? yes
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Health Hazards (Acute and Chronic)
 Eyes: Contact will cause watering, severe irritation; alkaline burns.
 Skin: Contact will cause irritation and alkaline burns if prolonged.
 Ingestion: Alkaline burns to mouth, esophagus, stomach.
 No known chronic hazards. No inhalation danger as the mica and silica are fully encapsulated and not available as dust.

Carcinogenicity	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Respirable quartz has been listed by IARC as a probable human carcinogen.

Signs and Symptoms of Exposure
 See health hazards.

Medical Conditions
 Generally Aggravated by Exposure Skin disorders.

Emergency and First Aid Procedures
 Eyes: Wash with water for at least 15 minutes and consult an eye doctor.
 Skin: Wash off skin with soap and water.
 Ingestion: Drink large amounts of water and acidic juices such as orange juice, or carbonated water. Consult a physician immediately.

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.

Other Precautions
 Rotate stock.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
 None required

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical (General)	N/A	Other	N/A

Protective Gloves
 Chemical resistant gloves

Eye Protection
 Splash goggles

Other Protective Clothing or Equipment
 Chemical resistant apron, long sleeves

Work/Hygiene Practices
 Good housekeeping practices