

High Temperature Sealant, Code 641 & 641C
 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)

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.

Seal It Right
 High Temperature Sealant, Code 641 & 641C

Section I

Manufacturer's Name RUTLAND PRODUCTS	Emergency Telephone Number CHEMTREC 800-424-9300	
Address (Number, Street, City, State, and Zip Code) 7 CRAB TREE ROAD JACKSONVILLE, IL 62650	Telephone Number Information 217-245-7810	
	Date Prepared Dec-05	Date Revised Dec. 05
Signature of Preparer (optional)		

Section II - Hazardous Ingredients/Identity Information

Chemical Identity	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethylene Glycol	00107-21-1	50ppm	50ppm		0-25
Alumina Trihydrate	21645-51-2	10 mg/m3	10 mg/m3	Nuisance dust*	0-20
Limestone	01317-65-3	15mg/m3	10mg/m3	Total Dust*	35-75
Calcium Metasilicate	13983-17-0	N/A	N/A	10mg/m3Total Dust*	0-25
Carbon Black	07782-42-5	2 mg/m3	2 mg/m3	Respirable Dust*	0-15
Silica, Quartz	14808-60-7	0.1 mg/m3	0.1 mg/m3	Respirable Dust*	

* Ingredients are fully encapsulated in the compound and thus do not present a dust hazard to the user.

HMS Rating - Health: 1 Flammability: 0 Reactivity: 0

Section III - Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H ₂ O = 1)	1.6
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	1	Evaporation Rate (Butyl Acetate=1)	<1

Solubility in Water
 Partial

Appearance and Odor
 Black with a mild odor

Section IV - Fire and Explosion Hazard Data

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

Extinguishing Media
 Carbon dioxide, foam, water
 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	X	Conditions to Avoid
	Stable		None Known

Incompatibility (Materials to Avoid)
 None Known

Hazardous Decomposition or Byproducts
 Carbon monoxide and carbon dioxide if burned.

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

Section VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (*Acute and Chronic*)

Inhalation: May irritate nose, throat, respiratory tract, and cause headache.

Skin: May cause irritation. Eyes: Direct contact may cause irritation.

Ingestion: May cause gastrointestinal irritation.

There are no chronic hazards known to be associated with this product. The silica is totally encapsulated and thus presents no inhalation danger.

Carcinogenicity	NTP? No	IARC Monogra OSHA Regulated?	No
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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

None known.

Emergency and First Aid Procedures

Inhalation: Remove subject to fresh air.

Eyes: Flush eyes with water for 15 minutes. If irritation persists, get medical attention.

Skin: Wash thoroughly with soap and water.

Ingestion: Give two glasses of water; consult a 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

Local landfill in accordance with local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing

Wear rubber gloves, apron, safety glasses.

Other Precautions

None

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

None if good ventilation is maintained; otherwise wear MSHA/HIOSH approved respirator.

Ventilation	Local Exhaust	X	Special	N/A
	Mechanical (<i>Gener.</i>)	N/A	Other	N/A

Protective Gloves	Rubber gloves	Eye Protection	Safety glasses
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Other Protective Clothing or Equipment	Rubber apron
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Work/Hygienic Practices	Exercise normal safe work practices.
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