

MATERIAL SAFETY DATA SHEET - 16 Sections

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier BLACK FURNACE CEMENT ITEMS 64, 64A, 64C, 65, 66, 67, 68, 68G,					
Product Use REPAIRING WOOD STOVES AND SEALING FIBERGLASS GASKETS					
Manufacturer's Name RUTLAND FIRE CLAY COMPANY			EMERGENCY CONTACT CHEMTREC		
Street Address 7 CRABTREE ROAD			DOMESTIC PHONE NUMBER 800-424-9300		
City JACKSONVILLE		State IL	INTERNATIONAL CONTACT NUMBER 703-527-3887		
Zip code 62650	Emergency Telephone 217-245-7810				
Date MSDS Prepared November 4, 2010		MSDS Prepared By GENE Addison		Phone Number 217-245-7810	

SECTION 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
SODIUM HYDROXIDE	TRADE SECRET	01310-73-2	2 MG/M ³	2 MG/M ³	
SODIUM SILICATE	TRADE SECRET	01344-09-8	NONE ESTABLISHED		
MICA	TRADE SECRET	12001-26-2	3 MG/M ³	3 MG/M ³	RESPIRABLE*
SILICA, QUARTZ	TRADE SECRET	14808-60-7	10 MG/M ³ PER %SiO ₂	0.025 MG/M ³	RESPIRABLE*
SILICA, AMORPHOUS	IMPURITY	07631-86-9	10 MG/M ³ PER %SiO ₂	0.1 MG/M ³	RESPIRABLE*

SECTION 3 -- HAZARD IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION
[Emergency Overview] PRODUCT IS BLACK AND CONTACT WITH SKIN CAUSES IRRITATION WITH POSSIBLE BURNS. EYE DAMAGE CAN BE SEVERE IF NOT REMOVED PROMPTLY FROM EYE
[Potential Health Effects] EYE-CAUSES IRRITATION AND POSSIBLE CORROSIVE BURNS SKIN - CAUSES SKIN IRRITATION AND POSSIBLE CORROSIVE BURNS INGESTION - VERY UNLIKELY, BUT HARMFUL GET MEDICAL ATTENTION INHALATION - NOT LIKELY WITH MIXED PRODUCT

SECTION 4 -- FIRST AID MEASURES

Skin Contact WASH OFF SKIN WITH LARGE AMOUNT OF SOAP AND Water
Eye Contact WASH WITH WARM WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION
Inhalation PRODUCT IS A PASTE AND CANNOT BE INHALED
Ingestion HIGHLY UNLIKELY, BUT SEEK MEDICAL ATTENTION

Product Identifier

SECTION 5 -- FIRE FIGHTING MEASURES

Flammable NON-FLAMMABLE	If yes, under what conditions	
Means of Extinction N/A		
Flashpoint (°C) and Method N/A		
Auto Ignition Temperature (°C) N/A		
Hazardous Combustion Products N/A		
[NFPA]	HEALTH	2
	FLAMMABILITY	0
	REACTIVITY	0

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures SCOOP UP PLACE IN DRUM

SECTION 7 -- HANDLING AND STORAGE

Handling Procedures and Equipment MATERIAL IS A SOLID PASTE AND CAN BE HANDLED IN DRUMS USING DRUM LIFTERS MINIMIZE CONTACT WITH SKIN WHILE HANDLING
Storage Requirements STORE IN AIRTIGHT CONTAINERS AT ROOM TEMPERATURE FOR BEST SHELF LIFE

SECTION 8 -- EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input checked="" type="checkbox"/> ACGIH TLV 2MG/ML <input checked="" type="checkbox"/> OSHA PEL <input type="checkbox"/> OTHER (Specify)
Specific Engineering Controls (Such as ventilation, enclosed process)
Personal Protective Equipment <input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> EYE <input checked="" type="checkbox"/> FOOTWEAR <input type="checkbox"/> CLOTHING <input type="checkbox"/> OTHER
If checked, please specify type GLOVES CAN BE DISPOSABLE LATEX OR WASHABLE NITRILE, RUBBER, OR LATEX TYPE
SAFETY GLASSES OR GOGGLES ARE RECOMMENDED
FOOTWEAR SHOULD NOT BE FLIP FLOPS, SANDALS, OR OPEN TOED

Product Identifier

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State SOLID BLACK PASTE	Odor and appearance ALMOST NO ODOR	Odor Threshold (ppm) N/A
Specific Gravity 2	Vapor Density (Air = 1) N/A	Vapor Pressure (mmHg) N/A
Evaporation Rate N/A	Boiling Point (°C) N/A	Freezing Point (°C) N/A
pH 13	Coefficient of Water/Oil Distribution NOT DETERMINED	[Solubility in Water] BINDER DISSOLVES IN WATER UNTIL CURED

SECTION 10 -- STABILITY AND RELIABILITY

Chemical Stability <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions?
Incompatibility with other substances <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If yes, which ones? ACIDS
Reactivity, and under what conditions?	
Hazardous Decomposition Products	

SECTION 11 -- TOXICOLOGICAL INFORMATION

Effects of Acute Exposure ACUTE HAZARDS FOR EYE AND SKIN ON CONTACT IRRITATIONS AND BURNS WILL OCCUR	
Effects of Chronic Exposure NONE KNOWN	
Irritancy of Product PRODUCT IS IRRITATING TO SEVERAL IRRITATING TO EYE AND SKIN OVER TIME	
Skin Sensitization SKIN IS IMMEDIATELY IRRITATED BY PRODUCT,	Respiratory Sensitization NO INFORMATION AVAILABLE
Carcinogenicity-IARC NO INFORMATION AVAILABLE	Carcinogenicity-ACGIH NO INFORMATION AVAILABLE
Reproductive Toxicity NO INFORMATION AVAILABLE	Teratogenicity NO INFORMATION AVAILABLE
Embryotoxicity NO INFORMATION AVAILABLE	Mutagenicity NO INFORMATION AVAILABLE
Name of Synergistic Products/Effects NO INFORMATION AVAILABLE	

Product Identifier

SECTION 12 -- ECOLOGICAL INFORMATION

Aquatic Toxicity	LEACHING OF UNCURED PRODUCT INTO WATERWAYS AND LAKES WILL BE SIMILAR TO SODIUM SILICATE AND LOW LEVELS OF SODIUM HYDROXIDE

SECTION 13 -- DISPOSAL CONSIDERATIONS

Waste Disposal	DISPOSE OF IN ACCORD WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS

SECTION 14 -- TRANSPORT INFORMATION

Special Shipping Information	
	PIN
TDG NOT REGULATED	[DOT] NOT REGULATED
[IMO] NOT REGULATED	[ICAO] NOT REGULATED

SECTION 15 -- REGULATORY INFORMATION

SARA SECTION 302 RQ & TPQ SODIUM HYDROXIDE 1000 LB. RQ	[OSHA] AS LISTED ON PAGE 1
SARA SECTION 313 SODIUM HYDROXIDE	[TSCA] SIGNIFICANT NEW USE RULE NO SNUR'S
CLEAN AIR ACT CONTAINS NO HAZARDOUS AIR POLLUTANTS CLEAN WATER ACT	[TSCA] ALL INGREDIENTS ON TSCA LIST HEALTH & SAFETY REPORTING LIST NOT ON LIST CHEMICAL TEST RULES NOT UNDER RULES SECTION 12b NOT LISTED
STATE RIGHT TO KNOW LISTS NOT ON ANY STATE LIST	CERCLA SODIUM HYDROXIDE 1000 LB. RQ
EUROPEAN /INTERNATIONAL REGULATIONS HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES HAZARD SYMBOLS XI RISK PHRASES R 36/38 SAFETY PHRASES S 24 S 26 S 28	

SECTION 16 -- OTHER INFORMATION

<p>THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS, TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL RUTLAND FIRE CLAY COMPANY BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF RUTLAND HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.</p>	
<p>HMIS Rating Health : 1 Flammability 0 Reactivity : 0</p>	<p>NFPA Rating Health : 1 Flammability 0 Reactivity : 0</p>