

MATERIAL SAFETY DATA SHEET - 16 Sections

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier CHIMNEY SHIELD WATER REPELLENT ITEM 5CS, 25CS		
Product Use REPEL WATER AND INHIBIT SPALLING AND DETERIORATION OF CHIMNEY		
Manufacturer's Name RUTLAND FIRE CLAY COMPANY		EMERGENCY CONTACT CHEMTREC
Street Address 7 CRABTREE ROAD		EMERGENCY DOMESTIC PHONE NUMBER 800-424-9300
City JACKSONVILLE	State IL	EMERGENCY INTERNATIONAL CONTACT NUMBER 703-527-3887
Zip code 62650		
Date MSDS Prepared November 5, 2010	MSDS Prepared By GENE ADDISON	Phone Number 217-245-7810

SECTION 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
SODIUM SILCONATE	TRADE SECRET	16589-43-8			

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 checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION
[Emergency Overview] THIS MATERIAL IS HAZARDOUS BY OSHA HAZARD COMMUNICATION DEFINITION
[Potential Health Effects] ROUTES OF ENTRY SKIN AND EYE ARE THE MOST LIKELY ROUTES OF EXPOSURE . INHALATION IS UNLIKELY THOUGH POSSIBLE THRU MISHANDLING TARGET ORGANS NO DATA IRRITANCY CAN CAUSE PERMANENT EYE DAMAGE AND SKIN DAMAGE. SENSITIZING CAPABILITY NO DATA REPRODUCTIVE EFFECTS NO DATA CANCER INFORMATION NO DATA

SECTION 4 -- FIRST AID MEASURES

Skin Contact REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF SKIN IS DAMAGED, SEEK IMMEDIATE MEDICAL ATTENTION.
Eye Contact IMMEDIATELY FLUSH EYES GENTLY FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN
Inhalation IF SYMPTOMS DEVELOP IMMEDIATELY MOVE INDIVIDUAL TO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION. KEEP PERSON WARM AND QUIET. IF A PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.
Ingestion THIS PRODUCT IS INTENDED FOR CONSUMER APPLICATIONS, IN THE UNLIKELY EVENT THAT THIS PRODUCT IS SWALLOWED, DO NOT INDUCE VOMITING . IF INDIVIDUAL IS CONSCIOUS AND ALERT, IMMEDIATELY RINSE MOUTH WITH WATER AND GIVE MILK OR WATER TO DRINK. CONSULT A PHYSICIAN IMMEDIATELY.

Product Identifier

SECTION 5 -- FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, under what conditions
Means of Extinction WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL	
Flashpoint (°F) and Method N/A	
Auto ignition Temperature (°F) N/A	
Hazardous Combustion Products CARBON MONOXIDE, CARBON DIOXIDE, HYDROCARBON BY PRODUCTS, & SILICATES	

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

Environmental Precautions	PREVENT RUN-OFF TO SEWERS, STREAMS, OR OTHER BODIES OF WATER.
Cleanup Procedures	NEUTRALIZE SMALL SPILLS AND MOP UP. STOP SPILL AT SOURCE. DIKE TO PREVENT SPREADING. PUMP TO SALVAGE CONTAINERS.
Personal Protection	WEAR GLASSES, PROTECTIVE CLOTHING, AND CHEMICAL RESISTING GLOVES WHEN CLEANING UP LARGE SPILLS.

SECTION 7 -- HANDLING AND STORAGE

Handling Procedures and Equipment	DRUMS OR LARGE CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED.
Special Mixing and Handling Instructions	NONE
Storage Requirements	KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY LABELED.

SECTION 8 -- EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input checked="" type="checkbox"/> OTHER (<i>Specify</i>)	NO EXPOSURE LIMITS HAVE BEEN ESTABLISHED
Specific Engineering Controls (<i>Such as ventilation, enclosed process</i>)	NONE SPECIFIED	
Personal Protective Equipment	<input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> EYEWEAR <input type="checkbox"/> FOOTWEAR <input type="checkbox"/> CLOTHING <input type="checkbox"/> OTHER	
If checked, please specify type	<p>GLOVES USE LATEX, VINYL, OR RUBBER GLOVES WHILE WORKING WITH PRODUCT</p> <p>EYEWEAR WEAR GLASSES OR SAFETY GLASSES WHILE APPLYING PRODUCT</p>	

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SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State LIQUID	Odor and appearance COLORLESS LIQUID	Odor Threshold (ppm) N/A
Specific Gravity 1.0	Vapor Density (Air = 1) 24 MM	Vapor Pressure (mmHg) N/D
Evaporation Rate (Butyl Acetate=1) N/D	Boiling Point (°F) 212°F	Freezing Point (°F) 32°F
pH ###	Coefficient of Water/Oil Distribution	[Solubility in Water]

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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, which ones?
Reactivity, and under what conditions? AVOID CONTACT WITH STRONG MINERAL ACIDS & STRONG ORGANIC ACIDS	
Hazardous Decomposition Products N/A	

SECTION 11 -- TOXICOLOGICAL INFORMATION

Effects of Acute Exposure IMMEDIATE IRRITATION OF EYES AND SKIN.	
Effects of Chronic Exposure N/D	
Irritancy of Product IMMEDIATE TO SKIN AND EYES	
Skin Sensitization N/D	Respiratory Sensitization N/D
Carcinogenicity-IARC N/D	Carcinogenicity-ACGIH N/D
Reproductive Toxicity N/D	Teratogenicity N/D
Embryotoxicity N/D	Mutagenicity N/A
Name of Synergistic Products/Effects	

Product Identifier

SECTION 12 -- ECOLOGICAL INFORMATION

LD50 of Product <i>(specify species and route)</i>	N/D
LC50 of Product <i>(specify species)</i>	N/D

SECTION 13 -- DISPOSAL CONSIDERATIONS

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

SECTION 14 -- TRANSPORT INFORMATION

Special Shipping Information		NONE	
			PIN
TDG	NOT REGULATED	[DOT]	NOT REGULATED
[IMO]	NOT REGULATED	[ICAO]	NOT REGULATED

SECTION 15 -- REGULATORY INFORMATION

SARA SECTION 302 RQ & TPQ	NONE KNOWN	[OSHA]	SODIUM SILCONATE IS REGULATED BY OSHA AS A HAZARDOUS SUBSTANCE
SARA SECTION 313	NONE KNOWN	[TSCA]	ALL INGREDIENTS ON TSCA LIST SIGNIFICANT NEW USE RULE
CLEAN AIR ACT	CONTAINS NO HAZARDOUS AIR POLLUTANTS	[TSCA]	HEALTH & SAFETY REPORTING LIST NOT ON LIST
CLEAN WATER ACT	NOT LISTED AS PRIORITY OR TOXIC POLLUTANT		CHEMICAL TEST RULES NOT UNDER RULES
STATE RIGHT TO KNOW LISTS	NOT ON ANY STATE LIST	CERCLA	NOT REPORTABLE
EUROPEAN /INTERNATIONAL REGULATIONS HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES			NON HAZARDOUS
HAZARD SYMBOLS RISK PHRASES SAFETY PHRASES			

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>			
HMIS Rating		NFPA Rating	
Health :	2	Health :	2
Flammability :	0	Flammability :	0
Reactivity :	0	Reactivity :	0