

MATERIAL SAFETY DATA SHEET - 16 Sections

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier INSULATING CEMENT ITEM 623		
Product Use MAKES A TROWELABLE PASTE TO THERMALLY INSULATE AROUND FITTINGS, TANKS, BOILERS, ETC.		
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 4, 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
MINERAL FIBER	TRADE SECRET	N/A	10 MG/M3	15 MG/M3	(RESPIRABLE)
ALUMINUM SILICATE	TRADE SECRET	8031-18-3	N/E	5 MG/M3	
SILICA (QUARTZ)	IMPURITY	14808-60-7	0.1 MG/M3	0.1 MG/M3	(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 checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION
[Emergency Overview] THIS MATERIAL IS HAZARDOUS BY OSHA HAZARD COMMUNICATION DEFINITION
[Potential Health Effects] TARGET ORGANS LUNGS, THROAT, MUCOUS MEMBRANES, EYES, & SKIN IRRITANCY TRANSITORY MECHANICAL IRRITATION TO ABOVE AREAS SENSITIZING CAPABILITY NONE REPRODUCTIVE EFFECTS NONE CANCER INFORMATION CHRONIC EXPOSURE TO RESPIRABLE SILICA IS CARCINOGENIC ACCORDING TO IARC

SECTION 4 -- FIRST AID MEASURES

Skin Contact IMMEDIATELY WASH WITH SOAP AND WATER AND RINSE THOROUGHLY
Eye Contact FLUSH EYES FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN
Inhalation MOVE TO FRESH AIR. CONSULT A DOCTOR IF NEEDED.
Ingestion DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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	

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

Environmental Precautions DO NOT PUT WASTE INTO DRAINS, SEWERS, OR WATER BASINS AS CEMENT WILL HARDEN AND PLUG THEM UP
Cleanup Procedures SWEEP UP AND PLACE INTO LABELED CONTAINER
Personal Protection WEAR A NIOSH CERTIFIED, (N95) DUST RESPIRATOR FOR LARGE SPILLS

SECTION 7 -- HANDLING AND STORAGE

Handling Procedures and Equipment NO SPECIAL HANDLING REQUIRED
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 checked="" type="checkbox"/> OSHA PEL 0.1 MG/M3 <input type="checkbox"/> OTHER (Specify)
Specific Engineering Controls (Such as ventilation, enclosed process) ADEQUATE VENTILATION IF HANDLING LARGE QUANTITIES
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 GLOVES USE LATEX, VINYL, OR RUBBER GLOVES WHILE WORKING WITH UNCURED PRODUCT EYEWEAR WEAR GLASSES OR SAFETY GLASSES WHILE APPLYING UNCURED PRODUCT

Product Identifier

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State SOLID	Odor and appearance TAN POWDER	Odor Threshold (ppm) N/D
Specific Gravity N/D	Vapor Density (Air = 1) N/A	Vapor Pressure (mmHg) N/A
Evaporation Rate (Butyl Acetate=1) NOT AVAILABLE	Boiling Point (°F) N/A	Freezing Point (°F) N/A
pH N/A	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] NOT SOLUBLE

SECTION 10 -- STABILITY AND RELIABILITY

Chemical Stability <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions?
Hazardous Polymerization <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, which ones?
Reactivity, and under what conditions? STRONG ACIDS, MAY EMIT HYDROGEN SULFIDE UNDER CERTAIN CONDITIONS	
Hazardous Decomposition Products NONE EXCEPT FOR THOSE IDENTIFIED IN SECTION 5	

SECTION 11 -- TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Effects of Chronic Exposure CHRONIC EXPOSURE TO SKIN CAN CAUSE DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN IRRITATION AND DERMATITIS	
Irritancy of Product	
Skin Sensitization	Respiratory Sensitization NONE
Carcinogenicity-IARC	Carcinogenicity-ACGIH NONE
Reproductive Toxicity NONE	Teratogenicity NONE
Embryotoxicity NONE	Mutagenicity NONE
Name of Synergistic Products/Effects NONE	

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
THIS PRODUCT IS NOT EXPECTED TO POSE AN ECOLOGICAL RISK	

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	
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] SILICA, (QUARTZ), IS AN IMPURITY AND IS AN OSHA HAZARDOUS MATERIAL IN PRODUCT
SARA SECTION 313 NONE KNOWN	[TSCA] ALL INGREDIENTS ON TSCA LIST SIGNIFICANT NEW USE RULE
CLEAN AIR ACT CONTAINS NO HAZARDOUS AIR POLLUTANTS CLEAN WATER ACT NOT LISTED AS PRIORITY OR TOXIC POLLUTANT	[TSCA] 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 EUROPEAN /INTERNATIONAL REGULATIONS HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES HAZARD SYMBOLS RISK PHRASES SAFETY PHRASES	CERCLA NOT REPORTABLE NON HAZARDOUS

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*	* DENOTES A CHRONIC HEALTH HAZARD.
Flammability : 0	Flammability : 0	
Reactivity : 0	Reactivity : 0	