



Furnace & Retort Cement

Material Safety Data Sheet

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheet.

SECTION I - GENERAL INFORMATION																						
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700 Fax No: 1-773-227-3705	For chemical emergencies during transportation only call INFOTRAC 1-800-535-5053 24 hours per day - 7 days a week																					
Date Prepared 01/01/08	Trade Name FURNACE & RETORT CEMENT																					
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION																						
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL																		
LIQUID SODIUM SILICATE	1344-09-8	10-20	TLV=2mg/m3	PEL=2mg/m3																		
<small>*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.</small>																						
SHIPPING INFORMATION	SPECIAL HAZARD DESIGNATIONS																					
NOT HAZARDOUS FOR SHIPPING PURPOSES.	<table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;"><u>HMS</u></th> <th style="width: 50%; text-align: center;"><u>HAZARD RATING</u></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">HEALTH</td> <td style="text-align: center;">2 0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">0</td> <td>1- SLIGHT</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">0</td> <td>2-MODERATE</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">A</td> <td>3- SERIOUS</td> </tr> <tr> <td></td> <td></td> <td>4- SEVERE</td> </tr> </tbody> </table>					<u>HMS</u>	<u>HAZARD RATING</u>		HEALTH	2 0 - MINIMAL	FLAMMABILITY	0	1- SLIGHT	REACTIVITY	0	2-MODERATE	PROTECTIVE EQUIPMENT	A	3- SERIOUS			4- SEVERE
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SECTION III - PHYSICAL DATA			
APPEARANCE GRAY TO BLACK	ODOR ODORLESS MORTAR	BOILING POINT N/A	
SPECIFIC GRAVITY (H2O=1) 1.75	VAPOR PRESSURE (mm Hg.) N/A	VOLATILE BY VOLUME (%) N/A	
VAPOR DENSITY (AIR=1) N/A	EVAPORATION RATE (BUAC=1) N/A	SOLUBILITY IN WATER SLIGHTLY SOLUBLE IN WATER AN WATER MISCIBLE.	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
N/A	(PERCENT BY VOLUME)	N/A	N/A
FIRE EXTINGUISHING MEDIA NON-FLAMMABLE. USE APPROPRIATE MEANS FOR SURROUNDING AREA.			
SPECIAL FIRE FIGHTING PROCEDURES NONE			
UNUSUAL FIRE AND EXPLOSION HAZARD NONE			
SECTION V - HEALTH HAZARD DATA			
PRIMARY ROUTES OR ENTRY _____ Inhalation <input checked="" type="checkbox"/> Skin contact <input checked="" type="checkbox"/> Eye contact _____ Ingestion			
EFFECT OF OVEREXPOSURE PROLONGED CONTACT WITH SKIN CAN CAUSE IRRITATION. CONTACT WITH EYES			

OR OPEN ABRADED SKIN CAN CAUSE SEVERE IRRITATION WITH SUPERFICIAL DESTRUCTION OF SKIN TISSUE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

OPEN SORES AND CUTS—SENSITIVE SKIN AREAS.

EMERGENCY AND FIRST AID PROCEDURES

SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER.

INGESTION: DO NOT INDUCE VOMITING, DILUTE WITH WATER OR MILK, GET MEDICAL ATTENTION.

EYES: FLUSH THE MATERIAL OUT IMMEDIATELY WITH PLENTY OF WATER.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	KEEP AWAY FROM ACIDS.

INCOMPATIBILITY (MATERIALS TO AVOID)

ACIDS, ANHYDRIDES, ALKALI METALS, ANHYDROUS ALUMINIUM CHLORIDE NON FERROUS METALS AFTER SETTING.

HAZARDOUS DECOMPOSITION PRODUCTS

SHARP EDGES AFTER DRYING OR FIRING.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

MATERIAL IS IN PASTE FORM. USE ABSORBENT MATERIAL AND SWEEP UP.

WASTE DISPOSAL METHOD

DISCARD AS NON-HAZARDOUS WASTE.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

NONE REQUIRED.

VENTILATION

LOCAL EXHAUST - ADEQUATE.

PROTECTIVE GLOVES

RUBBER GLOVES

EYE PROTECTION

GOGGLES

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

NORMAL WORKING CLOTHING. PRACTICE NORMAL SAFETY AND HEALTH PROCEDURES.

WASH THOROUGHLY AFTER HANDLING.

SECTION IX - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

NORMAL SHELF STORAGE.

OTHER PRECAUTIONS

NONE

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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