



## ANCHORING & PATCHING 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 <b>1-800-535-5053</b> 24 hours per day - 7 days a week		
<b>Date Prepared</b> 01/01/08		<b>Trade Name</b> <b>ANCHORING &amp; PATCHING CEMENT</b>		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
SILICA SAND, CRYSTALLINE	14808-60-7	45-50	0.05	10mg/m3
PORTLAND CEMENT	65997-15-1	35-40	5	5
MAY CONTAIN ONE OR MORE OF THE FOLLOWING INGREDIENTS:				
AMORPHOUS SILICA	07631-86-9	1-2	10	<u>80mg/M3</u> %SiO2
LIME	01305-62-0	1-2	5	5
FLY ASH	68131-74-8	1-2	5	5

CALCIUM ALUMINATE CEMENT	65997-16-2	1-2	5	5
COPOLYMER POWDER	24937-78-8	1-2	N/A	N/A

\*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.

<b>SHIPPING INFORMATION</b>  NOT HAZARDOUS FOR SHIPPING PURPOSES.	<b>SPECIAL HAZARD DESIGNATIONS</b>		
	<u>HEALTH</u>	<u>HMS</u>	<u>HAZARD RATING</u>
	0	0	0 - MINIMAL
	FLAMMABILITY <sup>2</sup>		1- SLIGHT
	REACTIVITY 0		2- MODERATE
	PROTECTIVE A		3- SERIOUS
	EQUIPMENT		4- SEVERE

**SECTION III - PHYSICAL DATA**

<b>APPEARANCE</b> GRAY TO FRAY-BROWN COLORED POWDER	<b>ODOR</b> NONE	<b>BOILING POINT</b> >2700F
<b>SPECIFIC GRAVITY (H2O=1)</b> 2.6 TO 3.15	<b>VAPOR PRESSURE (mm Hg.)</b> NONE	<b>VOLATILE BY VOLUME (%)</b> N/A
<b>VAPOR DENSITY (AIR=1)</b> NONE	<b>EVAPORATION RATE (BUAC=1)</b> NONE	<b>SOLUBILITY IN WATER</b> SLIGHT

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT ( METHOD USED)	FLAMMABLE LIMITS	LEL N/A	UEL N/A
N/A	(PERCENT BY VOLUME)	N/A	N/A

**FIRE EXTINGUISHING MEDIA**  
N/A

**SPECIAL FIRE FIGHTING PROCEDURES**

NONE

**UNUSUAL FIRE AND EXPLOSION HAZARD**

NONCOMBUSTIBLE AND NOT EXPLOSIVE.

**SECTION V - HEALTH HAZARD DATA**

PRIMARY ROUTES OR ENTRY X Inhalation X Skin contact  Eye contact  
X Ingestion

**EFFECT OF OVEREXPOSURE**

SIGNS AND SYMPTOMS OF EXPOSURE: SYMPTOMS OF EXCESSIVE EXPOSURE TO THE DUST INCLUDE SHORTNESS OF BREATH AND REDUCED PULMONARY FUNCTION. EXCESSIVE EXPOSURE TO SKIN AND EYES ESPECIALLY WHEN MIXED WITH WATER CAN CAUSE CAUSTIC BURNS AS SEVERE AS THIRD DEGREE.

ACUTE EXPOSURE: PRODUCT BECOMES ALKALINE WHEN EXPOSED TO MOISTURE. EXPOSURE CAN DRY THE SKIN, CAUSE ALKALI BURNS AND AFFECT THE MUCOUS MEMBRANES. DUST CAN IRRITATE THE EYES AND UPPER RESPIRATORY SYSTEM. TOXIC EFFECTS NOTED IN ANIMALS INCLUDE, FOR ACUTE EXPOSURES, ALVEOLAR DAMAGE WITH PULMONARY EDEMA.

CHRONIC EXPOSURE: DUST CAN CAUSE INFLAMMATION OF THE LINING TISSUE OF THE INTERIOR OF THE NOSE AND INFLAMMATION OF THE CORNEA. HYPERSENSITIVE INDIVIDUALS MAY DEVELOP AN ALLERGIC DERMATITIS. RESPIRABLE CYRSTALINE SILICA (QUARTZ) CAN CAUSE SILICOSIS, A FIBROSIS (SCARRING) OF THE LUNGS AND POSSIBLY CANCER. THERE IS EVIDENCE THAT EXPOSURE TO RESPIRABLE SILICA OR THE DISEASE SILICOSIS IS ASSOCIATED WITH AN INCREASED INCIDENCE OF SCLERODERMA, TUBERCULOSIS AND KIDNEY DISORDERS.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

INDIVIDUALS WITH SENSITIVE SKIN AND WITH PULMONARY AND/OR RESPIRATORY DISEASE, INCLUDING, BUT NOT LIMITED TO , ASTHMA AND BRONCHITIS, OR SUBJECT TO EYE IRRITATION, SHOULD BE PRECLUDED FROM EXPOSURE. EXPOSURE TO CRYSTALLINE SILICA OR THE DISEASE IS ASSOCIATED WITH INCREASED INCIDENCE OF SCLERODERMA, TUBERCULOSIS AND POSSIBLY INCREASED INCIDENCE OF KIDNEY LESIONS.

**EMERGENCY AND FIRST AID PROCEDURES**

IRRIGATE (FLOOD) EYES IMMEDIATELY AND REPEATEDLY WITH CLEAN

WATER. WASH EXPOSED SKIN AREAS WITH SOAP AND WATER. IF IRRITATION OR INFLAMMATION OCCURS SEEK PROMPT ATTENTION. FOR GROSS INHALATION, REMOVE PERSON IMMEDIATELY TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION AS NEEDED. GET PROMPT MEDICAL ATTENTION.

**SECTION VI - REACTIVITY**

STABILITY	UNSTABLE		<b>CONDITIONS TO AVOID</b>
	STABLE	X	KEEP DRY UNTIL USE TO PRESERVE PRODUCT UTILITY.

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
 CONTACT OF SILICA WITH POWERFUL OXIDIZING AGENTS SUCH AS FLUORINE, CHLORINE TRIFLUORIDE, MANGANESE TRIOXIDE, OXYGEN DIFLUORIDE, MAY CAUSE FIRES.

**HAZARDOUS DECOMPOSITION PRODUCTS**

SILICA WILL DISSOLVE IN HYDROFLUORIC ACID AND PRODUCE A CORROSIVE GAS SILICON TETRA FLUORIDE.

	MAY OCCUR		<b>CONDITIONS TO AVOID</b>
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR	X	NONE

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**  
 IF SPILLED, USE DUSTLESS METHODS (VACUUM) AND PLACE INTO CLOSE ABLE CONTAINER FOR DISPOSAL OR USE IF NOT CONTAMINATED OR WET. USE ADEQUATE VENTILATION.

**WASTE DISPOSAL METHOD**  
 THE PACKAGING AND MATERIAL MAY BE LAND FILLED; HOWEVER, MATERIAL SHOULD BE COVERED TO MINIMIZE GENERATION OF AIRBORNE DUST. THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS WASTE UNDER RCRA OR CERCLA.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION (Specify type)**  
 DO NOT BREATHE DUST. IN DUSTY ENVIRONMENTS, THE USE OF OSHA, MSHA OR NIOSH APPROVED RESPIRATOR IS RECOMMENDED.

LOCAL EXHAUST CAN BE USED, IF NECESSARY, TO CONTROL AIRBORNE DUST LEVELS.

**VENTILATION**

LOCAL EXHAUST CAN BE USED, IF NECESSARY, TO CONTROL AIRBORNE DUST LEVELS.

**PROTECTIVE GLOVES**

THE USE OF BARRIER CREAMS OR IMPERVIOUS GLOVES, BOOTS AND CLOTHING TO PROTECT THE SKIN FROM CONTACT IS RECOMMENDED. FOLLOWING WORK, WORKERS SHOULD SHOWER WITH SOAP AND WATER.

**EYE PROTECTION**

WEAR TIGHT FITTING GOGGLES..

**OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES**

NONE

**SECTION IX - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING.**

NONE

**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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**Black Swan Mfg. Co.** Telephone:773-227-3700 E-mail: [info@blackswanmfg.com](mailto:info@blackswanmfg.com)  
4540 W. Thomas Street Wats:800-252-5796 Web site:<http://www.blackswanmfg.com>  
Chicago, IL 60651-3318 Fax:773-227-3705