



MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone: 1-800-252-5796 Fax: 1-773-227-3705 Web Site: www.blackswanmfg.com E-mail: info@blackswanmfg.com	For any transportation or medical chemical emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 <u>OR</u> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: <p style="text-align: center;">Anchoring & Patching Cement</p>	Recommended Use: High strength hydraulic cement used for anchoring and patching.

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="126 756 284 892"> HEALTH HAZARD 4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material </div> <div data-bbox="284 798 487 976"> </div> <div data-bbox="495 756 828 913"> FIRE HAZARD Flash Points 4 Below 73 °F (Boiling pt. below 100 °F) 3 Below 73 °F (Boiling pt. at/above 100 °F) and/or at/above 73 °F - not exceeding 100 °F 2 Above 100 °F, Not exceeding 200 °F 1 Above 200 °F 0 Will not burn </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div data-bbox="126 934 300 1018"> SPECIFIC HAZARD Oxidizer OX Use NO WATER W Simple Asphyxiant SA </div> <div data-bbox="495 913 747 1039"> INSTABILITY 4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable </div> </div>		<p style="text-align: center;">HMIS</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="998 798 1242 924"> <table border="1" style="border-collapse: collapse;"> <tr><td style="background-color: #000080; color: white;">HEALTH</td><td style="text-align: center; width: 30px;">0</td></tr> <tr><td style="background-color: #FF0000; color: white;">FLAMMABILITY</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #FFD700;">REACTIVITY</td><td style="text-align: center;">0</td></tr> </table> </div> <div data-bbox="1356 798 1526 924"> 0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard </div> </div> <div style="text-align: center; margin-top: 10px;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">PPE</td> <td style="width: 40px; height: 20px;"></td> </tr> </table> </div>	HEALTH	0	FLAMMABILITY	0	REACTIVITY	0	PPE	
HEALTH	0									
FLAMMABILITY	0									
REACTIVITY	0									
PPE										
<p style="text-align: center;">Health</p> Acute Toxicity: N/A Skin Corrosion: N/A Eye Irritation: N/A Skin Sensitization: NO	<p style="text-align: center;">Environmental</p> Acute Toxicity: N/A Chronic Toxicity: N/A	<p style="text-align: center;">Physical</p> Flammability: N/A Other: N/A								
<p style="text-align: center;">Hazardous Statement</p> <p style="text-align: center;">None.</p>	<p style="text-align: center;">Precautionary Statement</p> <p style="text-align: center;">Keep out of reach of children. Do not allow to be taken internally.</p>									

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Chemicals	CAS #	EINECS#	Approx %
SILICA SAND, CRYSTALLINE	14808-60-7	238-878-4	---
PORTLAND CEMENT	65997-15-1	266-043-4	---

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

SECTION 4 - FIRST-AID MEASURES

Inhalation:	Remove person immediately to fresh air, give artificial respiration as needed. Get prompt medical attention.
Skin:	Wash exposed skin areas with soap and water. If irritation or inflammation occurs seek prompt attention.
Eyes:	Irrigate eyes immediately and repeatedly with clean water.
Ingestion:	None.

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SECTION 5 - FIRE-FIGHTING MEASURES

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<p><u>Extinguishing Media</u></p> <p><u>Suitable</u> <u>Unsuitable</u></p> <p>----- -----</p>	<p><u>Specific Hazards</u></p> <p style="text-align: center;">None.</p>	<p><u>Protective Equipment</u></p> <p style="text-align: center;">None.</p>
<p><u>Special Firefighting Procedures</u></p> <p style="text-align: center;">None.</p>		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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Personal Precautions:	None.
Protective Equipment:	None.
Emergency Procedures:	None.
Environmental Precautions:	None.
Methods for Cleaning-Up:	Use dustless methods (vacuum) and place into closeable container for disposal or use if not contaminated or wet.
Other Precautions:	None.

SECTION 7 - HANDLING AND STORAGE

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<p><u>Handling</u></p> <p>Keep out of reach of children.</p>	<p><u>Storage</u></p> <p>Store in a cool dry area.</p>

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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	<u>OSHA Exposure Limits</u>		
<u>Hazardous Components</u>	<u>ACGIH-TLV</u>		<u>OSHA-PEL</u>
SILICA SAND, CRYSTALLINE	0.05 mg/M3 (respirable)		10 mg/M3
PORTLAND CEMENT	15 mg/M3		5 mg/M3
<u>Personal Protective Equipment</u>			
Respiratory Protection:	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:	Use with adequate ventilation.		
Other Protective Equipment:	<u>Protective Gloves</u> Impervious Gloves.	<u>Eyes and Face Protection</u> Tight Fitting Goggles.	<u>Other Protective Equipment</u> Boots and Clothing.
Other Precautions:	None.		
<u>Engineering Controls</u>			
None.			

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Gray Odor: Petroleum Odor Threshold: N/A pH: N/A Melting/Freezing Point: N/A Boiling Point: >2700°F Boiling Range: N/A Flash Point: N/A Evaporation Rate: N/A Flammability: N/A Flammability Limits: LEL:N/A ; UEL:N/A	Volatile by Volume: N/A Vapor Pressure: N/A Vapor Density: Heavier than air Relative Density: N/A Solubility: Slight Partition Coefficient: n-octanol/water: N/A Auto-ignition Temperature: N/A Specific Gravity (H2O=1): 2.6-3.15 Viscosity: N/A VOC: 0 g/l
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SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u> Stable Unstable <input checked="" type="checkbox"/> <input type="checkbox"/>	<u>Hazardous Polymerization</u> May Occur Will Not Occur <input type="checkbox"/> <input checked="" type="checkbox"/>	<u>Conditions To Avoid</u> Keep dry until use to preserve product utility.
<u>Incompatible Materials</u> Contact of Silica with powerful oxidizing agents such as fluorine, chlorine, trifouride, manganese trioxide, oxygen diflouride, may cause fires.		<u>Hazardous Decomposition Products</u> Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas silicone tetrafluoride.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Likely Routes of Exposure</u> Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/>	<u>Symptoms/Effects</u> Shortness of breath and reduced pulmonary function. Can cause caustic burns as severe as third degree. Can cause caustic burns as severe as third degree. None
Lon-Term Effects: None.	
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 silicosis is associated with increased incidence of scieroderma, Tuberculosis and possibly	
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. Respiralbe crystalline 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 Scieroderma, tuberculosis, and kidney disorders.	
<u>Toxicity</u>	
<u>Hazardous Components</u> SILICA SAND, CRYSTALLINE PORTLAND CEMENT	<u>LD50</u> N/A N/A
	<u>LC50</u> N/A N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	None.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. (U.S.) : Not Regulated.

SECTION 15 - REGULATORY INFORMATION

None.

SECTION 16 - OTHER INFORMATION

Disclaimer:

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 sheets.

Revision Date:

JULY 2010