



SECTION 1 - IDENTIFICATION

Table with 2 columns: Manufacturer information (Black Swan Mfg. Co., 4540 W. Thomas St., Chicago, IL 60651-3318, Tel.: 800-252-5796, Fax: 773-227-3705, Web Site: www.blackswanmfg.com, E-mail: info@blackswanmfg.com) and Recommended Use (High strength hydraulic cement used for anchoring and patching).

SECTION 2 - HAZARD(S) IDENTIFICATION

Table with 3 columns: Labels (Health Hazard, Irritant), Signal Word (Warning), HMIS (HEALTH 0, FLAMMABILITY 0, REACTIVITY 0), NFPA (HEALTH HAZARD 0, FIRE HAZARD 0, REACTIVITY 0), GHS Classification (Health, Environmental, Physical - None), Hazardous Statements (H315, H320, H332, H335), and Precautionary Statements (P102, P261, P262, P264, P270, P280/P284).

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Chemicals, CAS#, EINECS#, REACH Pre-registration Number, and Approx %. Rows include CRYSTALLINE SILICA, PORTLAND CEMENT, CALCIUM SULFATE, and CALCIUM HYDROZIDE.

SECTION 4 - FIRST-AID MEASURES

Table with 1 column: First-aid measures for Inhalation, Skin, Eyes, and Ingestion.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None known.
Combustion Products: None known.
Extinguishing Media: None.
Unsuitable Extinguishing Media: None.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent contact with skin or eyes.
Protective Equipment: Wear suitable respiratory protective equipment.
Emergency Procedures: None.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Use dustless methods (vacuum) and place into closeable container for disposal or reuse if not contaminated or wet.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid contact with eyes and skin. Wash thoroughly after handling.
 Do not eat, drink or smoke in the work area.

Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. **Incompatible Materials:** Contact of Silica with powerful oxidizing agents such as fluorine, chlorine, trifouride, manganese trioxide, oxygen diflouride, may cause fires.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

<u>Hazardous Chemicals</u>	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
CRYSTALLINE SILICA	0.025 mg/m ³ (Respirable)	N/A	0.1 mg/m ³ (Respirable)
PORTLAND CEMENT	1 mg/m ³ (Resp. Dust)	N/A	5 mg/m ³ (Resp. Dust)
CALCIUM SULFATE	10 mg/m ³	N/A	5 mg/m ³
CALCIUM HYDROZIDE	5 mg/m ³	N/A	15 mg/m ³ (Total Dust)

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed.

Ventilation: Use with adequate ventilation.

Personal Protective Equipment – Respiratory: DO NOT BREAQTHE DUST. In dusty environments, the use of OSHA, MSHA or NIOSH approved respirator is recommended.

Personal Protective Equipment – Skin: Impervious gloves, boots, clothing.

Personal Protective Equipment – Eyes: Tight fitting goggles.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Gray	Flash Point: Not Established	Vapor Pressure: Not Established
Odor: Petroleum	Specific Gravity: 2.6 – 3.15	Flammability: Not Established
pH: Not Established	Solubility (H2O): Slight	Flammability Limits: LEL – Not Established
Melting Point: Not Established	Evaporation Rate: Not Established	UEL – Not Established
Freezing Point: Not Established	Vapor Density: Heavier than air	
Boiling Point: >2700°F	VOC: 0 g/l	

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep dry until use to preserve product utility.

Incompatible materials: 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 tetrafluoride.

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>LD₅₀</u>	<u>Toxicity</u>	<u>LC₅₀</u>
CRYSTALLINE SILICA	N/A		N/A
PORTLAND CEMENT	N/A		N/A
CALCIUM SULFATE	N/A		N/A
CALCIUM HYDROXIDE	N/A		N/A

Likely Routes of Exposure: Inhalation, Skin Contact and Eye Contact.

Symptoms and Effect - Inhalation: Shortness of breath and reduce pulmonary function. **Skin Contact:** Can cause caustic burns as severe as third degree. **Eye Contact:** Can cause caustic burns as severe as third degree. **Ingestion:** None.

Long-Term Effect: None known.

Pre-Existing Conditions: 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 scleroderma or tuberculosis.

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 Crystalline Silica (Quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possible cancer.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 0g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

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

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

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 Mfg. 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.

DATE: 01/01/2021