



SECTION 1 - IDENTIFICATION

Manufacturer:

Black Swan Mfg. Co.
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For any Transportation or Medical Chemical Emergencies call:

INFOTRAC(800) 535-5053 **OR** (352) 323-3500

24 hours per day - 7 days a week

Product Name: Anchoring & Patching Cement**Recommended Use:** High strength hydraulic cement used for anchoring and patching.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels		NFPA		GHS Classification	
					
Corrosive	Health Hazard	Irritant			
Signal Word Danger		HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material		Health Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat. 1 Skin Sensitization: No	
HMIS HEALTH 0 FLAMMABILITY 0 REACTIVITY 0		FIRE HAZARD Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable		Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established	
Hazardous Statements H315: Causes skin irritation H318: Causes serious eye damage H335: May cause respiratory irritation H372: Causes damages to organs (Lung) through prolonged or repeated exposure (inhalation)		Precautionary Statements P102: Keep out of reach of children P260: Do not breathe dust, gas, mist, or vapors P264: Wash thoroughly after handling P270: Do not eat, drink or smoke when using this product P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves, protective clothing, eye protection, and face protection.		Physical None	

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
PORTLAND CEMENT	65997-15-1	N/A	N/A	15-50%
CRYSTALLINE SILICA	14808-60-7	N/A	N/A	45-95%
CALCIUM ALUMINATE CEMENT	65997-16-2	N/A	N/A	.1-20%
CALCIUM MAGNESIUM DIHYDROXIDE OXIDE	58398-71-3	N/A	N/A	.1-5%
CALCIUM MAGNESIUM TETRAHYDROXIDE	39445-23-3	N/A	N/A	.1-5%
CALCIUM HYDROXIDE	1305-62-0	N/A	N/A	.1-5%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move into fresh air. If symptoms persist, seek medical attention.**Skin:** Remove contaminated clothing and shoes. Wash exposed skin areas with soap and water. Do not use organic solvents. If irritation occurs seek prompt medical attention.**Eyes:** Flush with water for 15 minutes. Remove contact lenses, if present and easy to do so. If irritation persists, get medical attention.**Ingestion:** Give 1 or 2 glasses of water and flush out mouth with water. DO NOT INDUCE VOMITING, unless instructed by poison control center or doctor. Contact physician or poison control center immediately.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None known.
Combustion Products: None known.
Extinguishing Media: Foam, water spray, dry powder, and carbon dioxide.
Unsuitable Extinguishing Media: Water jet.
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

<u>Handling</u>	<u>Storage</u>
Avoid contact with eyes and skin. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Avoid dust formation and inhalation of dust. Use in a well ventilated area.	Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Incompatible Materials: Segregate from metals, acids, lyes, oxidants, food, and animal feeds. Suitable materials for containers: tinned carbons

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

	<u>Exposure Limits</u>		
<u>Hazardous Chemicals</u>	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
PORTLAND CEMENT	1 mg/m ³ (Resp. Fraction)	N/A	5 mg/m ³ (Resp. Fraction) 15 mg/m ³ (Total Dust)
CRYSTALLINE SILICA	.025 mg/m ³ (Respirable Fraction)	N/A	.1 mg/m ³ (Respirable Dust)
CALCIUM ALUMINATE CEMENT	3 mg/m ³ (Resp. Particles) 10 mg/m ³ (Inhalable Particles)	N/A	5 mg/m ³ (Resp. Fraction) 15 mg/m ³ (Total Dust)
CALCIUM MAGNESIUM DIHYDROXIDE OXIDE	N/A	N/A	N/A
CALCIUM HYDROXIDE	5 mg/m ³	N/A	15 mg/m ³ (Total Dust) 5 mg/m ³ (Resp. Fraction)
CALCIUM MAGNESIUM TETRAHYDROXIDE	N/A	N/A	N/A

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 BREATHE 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:	Odorless	Specific Gravity:	Not Established	Flammability:	Not Established
pH:	Not Established	Solubility (H2O):	Not Established	Flammability Limits:	LEL – Not Established
Melting Point:	Not Established	Evaporation Rate:	Not Established		UEL – Not Established
Freezing Point:	Not Established	Vapor Density:	Not Established		
Boiling Point:	Not Established	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. Avoid humidity.

Incompatible materials: Strong bases and strong acids.

Hazardous decomposition products: None if handled and stored as indicated.

SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>Toxicity</u>	
	<u>LD₅₀</u>	<u>LC₅₀</u>
PORTLAND CEMENT	N/A	N/A
CRYSTALLINE SILICA	N/A	N/A
CALCIUM ALUMINATE CEMENT	N/A	N/A
CALCIUM MAGNESIUM DIHYDROXIDE OXIDE	N/A	N/A
CALCIUM MAGNESIUM TETRAHYDROXIDE	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.

US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer. This product contains a chemical known to the State of California to cause reproductive/developmental defects.

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: 01/01/2026