



SECTION 1 - IDENTIFICATION

<b>Manufacturer:</b> Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 773-227-3705 Web Site : <a href="http://www.blackswanmfg.com">www.blackswanmfg.com</a> E-mail : <a href="mailto:info@blackswanmfg.com">info@blackswanmfg.com</a>	For any Transportation or Medical Chemical Emergencies call:  <p style="text-align: center;"><b>INFOTRAC</b></p> <p style="text-align: center;">(800) 535-5053 <b>OR</b> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
<b>Product Name: Furnace &amp; Retort Cement</b>	<b>Recommended Use:</b> For Setting and repairing furnaces, boilers, stoves and heaters.

SECTION 2 – HAZARD(S) IDENTIFICATION

<p><b>Labels</b> None</p> <p><b>Signal Word</b> None</p> <p><b>HMIS</b></p> <table border="1" style="width: 100%;"> <tr><td style="background-color: #000080; color: white;">HEALTH</td><td style="background-color: #000080; color: white; text-align: center;">2</td></tr> <tr><td style="background-color: #FF0000; color: white;">FLAMMABILITY</td><td style="background-color: #FF0000; color: white; text-align: center;">0</td></tr> <tr><td style="background-color: #FFD700; color: black;">REACTIVITY</td><td style="background-color: #FFD700; color: black; text-align: center;">0</td></tr> </table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	<p><b>NFPA</b></p> <table border="1" style="margin: auto;"> <tr><td style="background-color: #000080; color: white;">4</td><td style="background-color: #000080; color: white;">0</td><td style="background-color: #000080; color: white;">0</td></tr> <tr><td style="background-color: #000080; color: white;">2</td><td style="background-color: #000080; color: white;">0</td><td style="background-color: #000080; color: white;">0</td></tr> </table>	4	0	0	2	0	0	<p><b>GHS Classification</b></p> <table border="1" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <p><b>Health</b></p> <p>Acute Toxicity: Not Established            Skin Irritation: Not Established            Eye Irritation: Not Established            Skin Sensitization: NO</p> </td> <td style="vertical-align: top;"> <p><b>Environmental</b></p> <p>Acute Aquatic Toxicity: Not Established            Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <p><b>Physical</b> None</p> </td> </tr> </table>	<p><b>Health</b></p> <p>Acute Toxicity: Not Established            Skin Irritation: Not Established            Eye Irritation: Not Established            Skin Sensitization: NO</p>	<p><b>Environmental</b></p> <p>Acute Aquatic Toxicity: Not Established            Chronic Aquatic Toxicity: Not Established</p>	<p><b>Physical</b> None</p>	
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<p><b>Physical</b> None</p>																		
<p><b>Hazardous Statements</b></p> <p>H302: Harmful if swallowed          H320: Causes eye irritation          H335: May cause respiratory irritation</p>		<p><b>Precautionary Statements</b></p> <p>P102: Keep out of reach of children          P270: Do not eat, drink or smoke when using this product</p>																

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemicals</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>REACH</u> <u>Pre-registration Number</u>	<u>Approx %</u>
SODIUM SILICATE	1344-09-8	215-687-4	N/A	15-40%
KAOLIN CLAY	1332-58-7	310-194-1	N/A	25-60%
CARBON BLACK	1333-86-4	215-609-9	N/A	.1-1%

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

SECTION 4 – FIRST-AID MEASURES

<p><b>Inhalation:</b> Remove to fresh air.</p> <p><b>Skin:</b> Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation persists seek medical attention.</p> <p><b>Eyes:</b> Flush eyes with water a minimum of 15 minutes occasionally lifting lower and upper lids. Remove contact lenses if present and easy to do so, continue rinsing. Get medical attention.</p> <p><b>Ingestion:</b> Rinse mouth. DO NOT INDUCE VOMITING. Contact physician immediately. Never give anything by mouth to an unconscious person.</p>
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# GHS SAFETY DATA SHEET

## SECTION 5 – FIRE-FIGHTING MEASURES

**Fire Hazard:** None known.  
**Combustion Products:** None known.  
**Extinguishing Media:** Dry Chemical, Foam, Fog or Water Spray, Carbon Dioxide.  
**Unsuitable Extinguishing Media:** None known.  
**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. If container is hot to touch, puncture lid, empty contents, and flood with water.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Minimize skin contact.  
**Protective Equipment:** None.  
**Emergency Procedures:** None.  
**Environmental Precautions:** Avoid runoff into storm sewers, ditches and waterways.  
**Methods for Cleaning Up:** Scoop or shovel into suitable receptacle. Wash area with water.

## SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep containers closed when not in use. Keep out of reach of children.	Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Keep away from heat, sparks, open flame and other sources of ignition. Keep from freezing. <b>Incompatible Materials:</b> None known.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>Exposure Limits</u>		<u>OSHA-PEL</u>
	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	
SODIUM SILICATE	10 mg/m <sup>3</sup> Inhalable Particulate	N/A	5 mg/m <sup>3</sup> Respirable Fraction
	3 mg/m <sup>3</sup> Respirable Fraction	N/A	15 mg/m <sup>3</sup> Total Dust
KAOLIN CLAY	2 mg/m <sup>3</sup> Inhalable Particulate	N/A	5 mg/m <sup>3</sup> Respirable Fraction
			15 mg/m <sup>3</sup> Total Dust
TITANIUM DIOXIDE	10 ppm (as dust)	N/A	10 mg/m <sup>3</sup> Total Dust
			5 mg/m <sup>3</sup> Respirable Fraction

**Engineering Controls:** A source of running water to flush or wash the eyes and skin in case of contact.  
**Ventilation:** Local ventilation is adequate.  
**Personal Protective Equipment – Respiratory:** None required.  
**Personal Protective Equipment – Skin:** Chemical resistant gloves. Apron/Long sleeves.  
**Personal Protective Equipment – Eyes:** Splash goggles/Safety glasses.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b> Grey	<b>Flash Point:</b> Not Established	<b>Vapor Pressure:</b> Not Established
<b>Odor:</b> Odorless	<b>Specific Gravity:</b> 2.1	<b>Flammability:</b> Not Established
<b>pH:</b> Not Established	<b>Solubility (H<sub>2</sub>O):</b> Soluble	<b>Flammability Limits:</b> LEL – Not Established
<b>Melting Point:</b> 2700°F	<b>Evaporation Rate:</b> Not Established	UEL – Not Established
<b>Freezing Point:</b> Not Established	<b>Vapor Density:</b> Not Established	
<b>Boiling Point:</b> Not Established	<b>VOC:</b> 0 g/l	

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Conditions to avoid:** None known.  
**Incompatible materials:** None known.  
**Hazardous decomposition products:** None known.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
SODIUM SILICATE	N/A	N/A
KAOLIN CLAY	N/A	N/A
CARBON BLACK	N/A	N/A

**Likely Routes of Exposure:** Skin Contact and Eye Contact.

**Symptoms and Effect - Inhalation:** None. **Skin Contact:** May cause itching, inflammation and irritation with prolonged over exposure.

**Eye Contact:** May produce watering, itching, and burning in the eyes. **Ingestion:** None.

**Long-Term Effect:** None known.

**Pre-Existing Conditions:** None known.

**Carcinogenicity:** Respirable silica from occupational sources is listed by IARC and NTP as a human carcinogen.

## 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 0 g/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:** Health Hazard.

**Risk Phrases:** **R22-** Harmful if swallowed. **R36-**Irritant to eyes.

**Safety Phrases:** **S2-**Keep out of reach of children. **S16-**Keep away from sources of ignition-No smoking. **S25-**Avoid contact with eyes. **S26-**In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 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**