




SECTION 1 - IDENTIFICATION

Manufacturer: 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	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: Furnace & Retort Cement	Recommended Use: For Setting and repairing furnaces, boilers, stoves and heaters.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels  Irritant	NFPA HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive R	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	GHS Classification Health Acute Toxicity: Not Established Skin Irritation: Cat. 2 Eye Irritation: Cat. 2A Skin Sensitization: NO Specific Target Organ Toxicity: Cat. 3 (Single Exposure) (Respiratory tract irritation) Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established Physical None
Signal Word Warning			
HMIS HEALTH 2 FLAMMABILITY 0 REACTIVITY 0			
Hazardous Statements H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation			Precautionary Statements P102: Keep out of reach of children P261: Avoid breathing dust P264: Wash thoroughly after handling P271: Use only outdoors or in a well-ventilated area P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves. Wear eye or face protection

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
SODIUM TRISILICATE	1344-09-8	215-687-4	N/A	10-25%
TITANIUM DIOXIDE	13463-67-7	N/A	N/A	.3-<1%
CARBON BLACK, RESPIRABLE POWDER	1333-86-4	215-609-9	N/A	.3-<1%

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

SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove to fresh air and keep comfortable for breathing. Call a poison center or physician if you feel unwell.

Skin: Remove contaminated clothing and shoes and wash before reuse. Wash skin thoroughly with soap and water. If irritation persists seek medical attention.

Eyes: 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. If eye irritation persists get medical attention.

Ingestion: Rinse mouth. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick. Do not induce vomiting unless instructed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter lungs. Contact physician immediately. Never give anything by mouth to an unconscious person.

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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.
Hazardous Thermal Decomposition Products: Decomposition products may include the following materials: metal oxide/oxides.
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>
<p>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.</p>	<p>Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Incompatible Materials: oxidizing materials.</p>

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>ACGIH-TLV</u>	<u>Exposure Limits</u> <u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
SODIUM TRISILICATE	N/A	N/A	N/A
CARBON BLACK, RESPIRABLE POWDER	TWA: 3 mg/m ³ 8 hours Form: Inhalable Fraction	N/A	3.5 mg/m ³ 8 hours
TITANIUM DIOXIDE	TWA: 10 mg/m ³ 8 hours	N/A	15 mg/m ³ 8 hours Form: Total Dust

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

Appearance: Grey/Black	Flash Point: Not Established	Vapor Pressure: Not Established
Odor: Mild	Specific Gravity: 2.1	Flammability: Not Established
pH: 11.1 to 11.3	Solubility (H₂O): Soluble	Flammability Limits: LEL – Not Established
Melting Point: Not Established	Evaporation Rate: <1 (Ether=1)	UEL – Not Established
Freezing Point: Not Established	Vapor Density: <1 (Air=1)	
Boiling Point: Not Established	VOC: 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>Toxicity</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
SODIUM TRISILICATE	Oral:	1960 mg/kg (rat)	N/A
TITANIUM DIOXIDE		N/A	N/A
CARBON BLACK	Oral:	>15400 mg/kg (rat)	N/A
RESPIRABLE POWDER			

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

Symptoms and Effect - Inhalation: May cause respiratory irritation. **Skin Contact:** Causes skin irritation. **Eye Contact:** Causes serious eye irritation. **Ingestion:** No known significant effects or critical hazards.

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.

Calif. PRO. 65 – Chemical Warning (California Health and Safety Code #25249.5 ET SEQ). – Warning: This product can expose you to chemicals including Titanium Dioxide, Carbon Black, respirable powder, which are known to the state of California to cause cancer. For more information go to www.P65Warning.ca.gov.

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 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: 01/01/2025