

SIMOND STORE

11521 Allen A Brown Rd,
Charlotte, NC 28269, USA

Material Safety Data Sheet Wet Refractory Mortar MSDS

Section 1: Identification of The Substance/Preparation of The Company /Undertaking

Product Name : Refractory Mortar

Other Name : Wet Refractory Mortar

Use of Product : Application as high temperature processing, Lining of furnace, kilns, fire pits etc.

Contact Information:

Simond Store

11521 Allen A Brown Road,
Charlotte, NC 28269

US Sales: **1-469-579-8600**

Order Online : simondstore.com

Emergency Call : **1-469-579-8600**

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Alumina	1344-24-1	0-20
Silica	14808-60-7	30-70
Clay	Not Applicable	5-40
Calcium Oxide	Not Applicable	0-5
Sodium Silicate	1344-09-8	20-30
Water	Not Applicable	<10
Other Surfactant	Not Applicable	<3

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:

This compound is not likely to be hazardous by skin contact, but washing the skin with soap and water after use is advisable.

Serious Skin Contact: Not available.

Inhalation: If large amounts are inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

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Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention.

Ingestion: No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult a physician.

Serious Ingestion: Not available.

**** If any of the symptoms persist, seek medical attention****

Section 5: Fire and Explosion Data

Flammability of the Product: Non-Flammable.

Auto-Ignition Temperature: None.

Flash Points: Non-combustible.

Flammable Limits: Not available.

Products of Combustion: None.

Hazardous Decomposition Products: Decomposition products may include carbon monoxide and carbon dioxide.

Extinguishing Media: Use extinguishing media suitable for type of surrounding fire.

Unusual Fire and Explosion Hazard: None.

Special hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

Advice for firefighters: Self-contained breathing apparatus. Wear suitable protective clothing.

Protective Equipment: Wear NIOSH certified respirator together with other protective gear appropriate to the surrounding fire.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedure:

Wear suitable goggles, gloves, and protective clothing.

Environmental Precautions:

Do not flush spillage to drain and prevent from entering natural water courses.

For waste disposal refer section 13

Methods and Materials for Containment and Clean Up:

Contain Spillage, absorb in earth or sand and shovel into suitable containers

Section 7: Handling and Storage

Precautions for Safe Handling:

Do not handle wet product with bare hands. Handling of dried products can be a source of dust emission and therefore the process should be designed to limit the amount of handling. Whenever possible, handling should be carried out under controlled conditions (i.e., using dust exhaust system)

Regular good housekeeping will minimize secondary dust dispersal.

Conditions for Safe Storage:

Store in original packing.

Avoid damaging the packaging.

Use a plastic bucket is recommended.

Empty containers: Product packaging may contain residue. Do not reuse.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Use sufficient ventilation to keep employee exposure below recommended limits. During tear

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outs, use engineering controls such as local exhaust ventilation, point of generation dust collection, down draft work stations, emission controlling tool designs and materials handling equipment designed to minimize airborne fiber and dust emissions.

Personal Protection: Safety glasses, Lab coat, Dust respirator (Be sure to use an approved/certified respirator or equivalent.) and Gloves.

Personal Protection in Case of a Large Spill:

Splash goggle, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Paste (semi liquid).

Odor: Odorless or Slight.

Boiling Point : Not Applicable

Melting Point : >2192°F

Flash Point : Not Applicable

Autoflamibility : Not Applicable

Oxidizing Properties : Not Applicable

Relative Density : 1-2 g/cc

pH (at 25°C): No applicable

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Explosive: Not available.

Partition coefficient: No data available.

Solubility: water soluble.

Section 10: Stability and Reactivity Data

Stability: The product is stable at normal conditions.

Instability Temperature: Not available.

Reactivity: Not applicable.

Chemical stability: Stable under normal conditions.

Corrosivity: Not available.

Possibility of hazardous reactions: No Significant Hazard.

Special Remarks on Corrosivity: Not available.

Conditions to avoid: Direct sunlight. Do NOT allow to freeze.

Incompatible materials: None.

Hazardous decomposition products: None.

Incompatibility: Soluble in hydrofluoric acid, phosphoric acid and concentrated alkali.

Hazardous Polymerization: Not Applicable.

Hazardous Decomposition Products: Upon heating 1652°F for sustained periods, this amorphous material begins to transform to mixture of crystalline phases.

Materials to Avoid: Contact with strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, chromic, and sulfonic) may generate heat, splattering or boiling and toxic vapors.

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Section 11: Toxicological Information

Basic Toxicokinetics:

Exposure is predominantly by inhalation or ingestion, no chronic respiratory health effects are associated with any component in this mixture. Available toxicological information is as follow;

Human Toxicological Data: No human data available

Information on Toxicological Effect:

Lethal dose 50 %(LD50) / lethal concentrate 50% (LC50): N.A.

Chronic toxicity: No Effect Reported

Section 12: Ecological Information

This product is inert material that remain stable overtime. No adverse effect on this material on the environment are anticipated.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

Waste Management To prevent waste materials from becoming airborne during waste storage, transportation and disposal, a covered container or plastic bagging is recommended.

Disposal: This product is not classified as a hazardous waste according to Federal regulations (40 CFR 261). Check local, regional, state or provincial regulations for applicable requirements for disposal. Any processing, use, alteration or chemical additions to the product, as purchased, may alter the disposal requirements. Under Federal regulations, it is the waste generator's responsibility to properly characterize a waste material, to determine if it is a "hazardous" waste.

Section 14: Transport Information

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

The product is not classified as dangerous for carriage.

BILL OF LADING DESCRIPTION (49 CFR 172.202): Wet Refractory Mortar (NON-REGULATED).

UNITED NATIONS (UN) NUMBER: Not Applicable.

NORTH AMERICA (NA) NUMBER: Not Applicable.

Section 15: Other Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Bindzil 830 & 1430 is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: None

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

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Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All substances contained in this product are listed in the TSCA Chemical Inventory [Section 8(b)].

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: Not a controlled product.

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).

Other Classifications:

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/06/2010

Last Updated: 30/11/2012

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