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Material Safety Data Sheet

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1 Product Identification

Tradename:
 3M FIRE BARRIER MORTAR
 Product ID:
 98-0400-2646-4 GE-6000-3288-4 CE-1006-7693-7
 Intended Use of Product:
 Fire Barrier Material
 Division:
 Building Safety Solutions Dept

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
FLY ASH	68131-74-8	65 - 85
ALUMINA CEMENT	65997-16-2	5 - 10
EXPANDED PERLITE	93763-70-3	5 - 10
QUARTZ SILICA	14808-60-7	3 - 5
SILICA FUMES	69012-64-2	1 - 3
ULTRAMARINE BLUE	57455-37-5	1 - 3

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

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3 Hazards Identification

Critical Hazards:

WARNING: Contains a chemical which can cause cancer. (14808-60-7)
 (NTP known human carcinogen, IARC human carcinogen 1, Calif.
 Proposition 65)

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist,
 get medical attention.

Instructions for Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop,
 get medical attention.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical
 attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical
 personnel. Give victim two glasses of water. Never give anything
 by mouth to an unconscious person. Get medical attention.

5 Fire Fighting Measures

Flash point: Not applicable

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not applicable

Suitable Extinguishing Media:

No data available.

Exposure Hazards during Fire:

Material will not burn.

Combustion Products from Fire:

None known.

Fire Fighting Procedures:

Wear full protective equipment (Bunker Gear) and a self-contained
 breathing apparatus (SCBA).

NFPA: Health 1

NFPA: Fire 0

NFPA: Reactivity 0

NFPA: Unusual Reaction Hazard none

Special Instructions:

Not applicable.

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6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:

Collect as much of the spilled material as possible. Clean up residue with detergent and water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

Store away from acids;

Strong oxidizing agents;

As a normal precaution, Strong mineral acids and/or Strong oxidizing agents such as fluorine, chlorine, trifluoride and trioxide. Should be avoided

Ventilation:

No data available.

Use Instructions:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only. Avoid contact with oxidizing agents. When wet, 3M Fire Barrier Mortar will conduct electricity. Use common sense and caution when working near live electrical equipment such as underside of MCC cabinets, transformers, etc. Electricians should supervise work to avoid risk of electrical shock. Also, watch for old cloth jacketed cables and cables that have been repaired with electrical tape. Work around such services should be approved by an electrician or electrical engineer on site. Find out about and follow site lock-out procedures for electrical equipment. When using drills and paddles to mix, use minimum 1/2i drills for small amount of material. Larger jobs (multiple mandays) should utilize minimum 5/8i drills to prevent overheating and drill burn-outs.

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8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with dust or airborne particles.

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

Skin Protection:

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with P100 particulate filters;

Half facepiece or fullface air-purifying respirator with P95 particulate filters;

Half facepiece or fullface air-purifying respirator with N95 particulate prefilters;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.

Provide appropriate local exhaust ventilation at transfer points.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

FLY ASH (68131-74-8)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

ALUMINA CEMENT (65997-16-2)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

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Exposure Limits

No data available.

EXPANDED PERLITE (93763-70-3)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

QUARTZ SILICA (14808-60-7)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 0.025 mg/m3 (Respirable) (Table A2)

SILICA FUMES (69012-64-2)

Specific Ingredient Data

No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 ACGIH: TWA 2 mg/m3
 ULTRAMARINE BLUE (57455-37-5)
 Specific Ingredient Data
 No data available. No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour: Solid; Powder; light blue colour; slight cement odour;
 Odour Threshold: No data available.
 pH: No data available.
 Boiling point/boiling range: No data available.
 Melting point/melting range: >= 1000 C
 Vapour pressure: No data available.
 Water Solubility: Negligible CONDITIONS: SOLIDS MAY BE DISPERSED IN WATER
 Specific gravity: 2.1 - 2.4 Water=1
 Vapour density: No data available.
 Volatile organic compounds: No data available.
 Evaporation rate: No data available.
 Viscosity: No data available.
 Percent Volatile: 0

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10 Stability and Reactivity

Conditions to Avoid:
 None known.
 Materials to Avoid:
 Strong acids;
 Strong oxidizing agents;
 As a normal precaution, Strong mineral acids and/or Strong oxidizing agents such as fluorine, chlorine, trifluoride and trioxide. Should be avoided
 Hazardous Decomposition:
 None known
 Stability and Reactivity:
 Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Mechanical eye irritation: Signs/symptoms can include pain, redness, tearing and corneal abrasion.

Effects from Skin Contact:

Mechanical skin irritation: Signs/symptoms can include abrasion, redness, pain, and itching.

Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Prolonged or repeated exposure may cause: Silicosis:

Signs/symptoms can include breathlessness, weakness, chest pain, persistent cough, increased amounts of sputum, and heart disease.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

No data available.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

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12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

For quantities <100 lbs. (50kg): dispose of waste product in a sanitary landfill. For larger quantities: incinerate in an industrial or commercial facility in the presence of a combustible material.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transportation Information

Transportation of Dangerous Goods

TDG Classification: Non-Regulated Material
Special Information:: Contact 3M for more information.
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

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15 Regulatory Information

WHMIS Classification: D2A

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

DSL - Domestic Substances List (Canada)

AICS - Australian Inventory of Chemical Substances

CICS - Chinese Inventory of Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical Substances

TSCA - Toxic Substances Control Act (USA)

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 7 - Handling and Storage;

Section 9 - Physical and Chemical Properties;

The information in this Material Safety Data Sheet (MSDS) is believed

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