

## Safety Data Sheet (SDS)

### 1. Product and Company Identification

Name of substance: Product name "Firestop Mortar"

Company name: FURUKAWA TECHNO MATERIAL CO.,LTD.

Address: 5-1-8, HIGASHI-YAWATA, HIRATUKA-CITY, KANAGAWA-PREF, 254-0016, JAPAN

Telephone number: +81-463-24-9341, FAX number: +81-463-24-9346

Emergency contact: +81-463-24-9341

Recommended Usage and Restriction on Application: Product is to be used mainly as fire-retarding material of penetrating parts or as hole filler.

### 2. Hazards Identification

GHS: Label Elements

Pictogram or Symbol:



Warning Word:

Danger

Hazard and Toxicity Information: Portland cement is a light gray or white powder. When in contact with moisture in eyes or on skin, or when mixed with water, Portland cement becomes highly caustic (pH > 12) and will damage or burn (as severely as third-degree) the eyes or skin. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

### 3. Composition/Information on Ingredients

Single chemical substance or mixture: Mixture

Component	Content (%)	Chemical formula or structure	CAS no.	UN classification	UN number
Portland Cement	54±5	Not identified	65997-15-1	Not restricted	Not restricted
Gypsum Plaster	28±5	Not identified	10034-76-1	Not restricted	Not restricted
Rock Wool	15±5	Not identified	Not Listed	Not restricted	Not restricted
Others	3±1	Not identified	Not Listed	Not restricted	Not restricted

### 4. First Aid Measures

Eye contact: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

Skin contact: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

Inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside. Inhalation of large amounts of Portland cement require immediate medical attention.

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

### 5. Fire Fighting Measures

Flash point: Not ignitable

Firefighting method: None particularly specified

Extinguishing media: None particularly specified

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## 6. Accidental Release Measures

Collect spilled or leaked material in cans, etc.

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## 7. Handling and Storage

Handling: Avoid getting in eyes. Be careful not to get on the skin. Wash hands thoroughly after handling.

Storage: Store in cool, dark place, away from direct sunlight and humidity.

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## 8. Exposure Control and Personal Protection

Acceptable concentration: Portland Cement ACGIH TLV-TWA 1 mg/m<sup>3</sup>

Rock Wool ACGIH TLV-TWA 1 f/cc

Engineering Controls: Install/provide proper general and/or local ventilation at the places where dust concentration exceeds TLV-TWA values.

Personal Protective Equipment:

Eye/Face Protection: Wear proper eye protection such as chemical goggles, safety glasses with side seal.

Skin Protection: Wear gloves and long-sleeve work clothes to prevent skin irritation as necessary. Remove materials from area of contact of clothes by vacuum suction or adhesive tape avoiding generations of airborne dust.

Respiratory Protection (Specify Type): When over TLV-TWA, use a mask designed for nuisance type dusts such as NIOSH approved 3M model 9900, model 8710, or its equivalent.

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## 9. Physical and Chemical Properties

Physical form: Solid (Powder)

Appearance: Red powder

Relative Density: 0.63 (water=1)

Solubility in water: Slightly soluble

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## 10. Stability and Reactivity

Combustibility: Flame resistant

Ignitability (spontaneous ignition, reaction with water): None

Auto reactivity/volatility: None

Explosive limit: No data

Stability/reactivity: Stable

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## 11. Toxicological Information

Skin corrosiveness: No pertinent information available

Irritation (skin/eyes): Dust is irritating and drying to the skin. Direct contact with wet mortar may cause serious skin burns. Within 12 to 48 hours (after one- to six-hour exposures) possible first, second or third degree burns may occur. There may be no obvious pain at the time of the exposure. Chronic skin disorders may be aggravated by exposure to dust or contact with wet mortar.  
Irritating and corrosive to the eyes and may cause alkaline burns. Mortar dust is irritating to the eyes. Exposure to dust may aggravate existing eye irritations.

Sensitization: No pertinent information available

Acute toxicity (including LD50): No pertinent information available

Subacute toxicity: No pertinent information available

Chronic toxicity: No pertinent information available  
Carcinogenicity: No pertinent information available  
Mutagenicity (microorganism, chromosomal abnormalities): No pertinent information available  
Reproductive toxicity: No pertinent information available  
Teratogenicity: No pertinent information available

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## 12. Ecological Information

Decomposition: No pertinent information available  
Bioaccumulation: No pertinent information available  
Toxicity to fish: No pertinent information available

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## 13. Disposal Considerations

- (1) Consign large-volume disposals to authorized industrial waste disposal businesses.
  - (2) Comply with all applicable laws and regulations.
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## 14. Transport Information

UN No: Not restricted

UN Class: Not restricted

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as dangerous goods under rules of IATA.

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

U.S. DEPARTMENT OF TRANSPORTATION REGULATIONS:

This product is not classified as dangerous goods, per U.S.DOT regulations, under 49 CFR 172.101.

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## 15. Regulatory Information

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR Law): Not applicable

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## 16. Other information

Contact address: Quality Assurance Department, Fire Prevention Division

Tel.: +81-463-24-9341

The descriptions herein are based on the latest references, information and data available at the time of document preparation. No guarantees of the contents are made. All information provided herein is subject to revision based on new findings. The precautions given here apply for ordinary handling. If handling under special conditions, users are responsible for taking safety countermeasures appropriate for the intended application and use.

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