

## Safety Data Sheet (SDS)

### 1. Product and the Company Identification

Product name : "Firestop Putty-BP" (light-weight, intumescent putty)  
 Common name : Heat resistant sealing material  
 Company name : FURUKAWA TECHNO MATERIAL CO.,LTD.  
 Address : 5-1-8, HIGASHI-YAWATA, HIRATSUKA-CITY, KANAGAWA-PREF, 254-0016, JAPAN  
 Contact Office : Quality Assurance Department, Fire Prevention Division  
 Telephone number : +81-463-24-9341  
 Fax number : +81-463-24-9346  
 Emergency contact : +81-463-24-9341  
 Use applications : Mainly used as a fire prevention material for penetrations.

### 2. Hazards Identification

GHS Classification  
 Physicochemical hazards : Not Applicable  
 Health hazards : Not Applicable  
 Environmental hazards : Not Applicable  
 GHS Label elements  
 Symbols/Pictograms : Not Applicable  
 Signal word : Not Applicable  
 Hazard Statement : Not Applicable  
 Precautionary statement : Not Applicable

### 3. Composition/Information on Ingredients

Single chemical substance or mixture: Mixture

Composition	Chemical formula	Content (%)	Reference number in gazetted list in Japan.	CAS №	UN class	UN number
Mixture of liquid resin and inorganic fillers such as calcium carbonate	Not identified	≥ 99	Nondisclosure	Nondisclosure	Not Restricted	Not Restricted
Silica (as impurity)	SiO <sub>2</sub>	<1	Industrial Safety and Health Act, Notifiable substance No. 165-2 (Not applicable)	7631-86-9	Not Restricted	Not Restricted

### 4. First Aid Measures

Inhalation : Move person to fresh air. Call a physician if symptoms develop or persist.  
 Skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.  
 Eye contact : Immediately wash the eyes, and receive medical treatment.  
 Swallowing : Do not induce vomiting. Wash the mouth thoroughly with water. Immediately receive the medical treatment.

## 5. Fire Fighting Measures

Extinguishing media	: Not specified
Unsuitable extinguishing media	: Not specified
Specific hazards with regard to extinguishing	: Not specified
Specific fire extinguishing method	: Not specified
Protection for fire extinguishers	: Not specified

Extinguishers should be done from the windward side, with suitable protective respirator and clothing, if necessary.

## 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear proper protective equipment.

Environmental procedures : Not applicable

Methods for collect : Collect spillage and place in empty container.

## 7. Handling and Storage

Handling : Do not get on eye or skin. After handling wash hands thoroughly.

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

## 8. Exposure Control and Personal Protection

Control parameters

Administrative exposure level : Not established

Occupational exposure limit value (OEL) : Not established

Exposure control

Countermeasure equipment : Not established

Protective equipment:

Wear proper protective equipment (mask, gloves, goggles and clothing) on necessity.

## 9. Physical and Chemical Properties

Physical state	: Semisolid substance (clayey)
Appearance (Color)	: Gray
Odor	: Almost odorless
Melting point	: Not applicable
Boiling point or initial boiling point	: Not applicable
Flammability	: nonflammable
Lower and upper explosion limit/flammability limit	: No data
Flash point	: No data
Auto-ignition temperature	: No data
Decomposition temperature	: No data
pH	: Not applicable
Kinematic viscosity	: No data
Solubility	: Not soluble in water
Partition coefficient (n-octanol/water)	: Not applicable
Vapor pressure	: Not applicable

Relative density	: 1.25 (water = 1)
Relative gass density	: Not applicable
Particle characteristics	: Not applicable

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## 10. Stability and Reactivity

Reactivity	: Not reactive under normal conditions
Chemical stability	: Stable under normal conditions
Possibility of hazardous reactions	: No useful information
Conditions to avoid	: No useful information
Incompatible materials	: No useful information
Hazardous decomposition product	: No useful information

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## 11. Toxicological Information

Acute toxicity	: No useful information
Skin corrosion / Irritation	: No useful information
Serious eye damage/eye irritation	: No useful information
Respiratory sensitization / Skin sensitization	: No useful information
Germ cell mutagenicity	: No useful information
Carcinogenicity	: No useful information
Reproductive toxicity	: No useful information
Specific target organ toxicity (single exposure)	: No useful information
Specific target organ toxicity (repeated exposure)	: No useful information
Aspiration hazard	: No useful information

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## 12. Ecological Information

Hazard to the aquatic environmental (acute)	: No useful information
Hazard to the aquatic environmental (chronic)	: No useful information
Hazard to the ozone layer	: No useful information
Persistence and degradability	: No useful information
Bioaccumulation potential	: No useful information
Mobility in soil	: Expected to have low mobility in soil

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## 13. Disposal Considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations.  
Disposal should be entrusted to authorized waste disposal companies.

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## 14. Transport Information

UN No	: Not Restricted
UN CLASS	: Not Restricted
International Air Transportation (ICAO-TI/IATA-DGR)	: Not Restricted
International Marine Transportation (IMDG Code)	: Not Restricted

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## 15. Regulatory Information

Chemical Substances Control Law (JAPAN)	: Not Applicable
Law concerning Pollutant Release and Transfer Register / PRTR Law (JAPAN)	: Not Applicable
Industrial Safety and Health Law (JAPAN)	: Not Applicable
Fire Service Act (JAPAN)	: Not Applicable

Poisonous and Deleterious Substances Control Law (JAPAN)

: Not Applicable

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**16. Other information**

Contact office : Quality Assurance Department, Fire Prevention Division

Telephone number : +81-463-24-9341

**Warning**

This Safety Data Sheet has been prepared based on the latest materials and data available and its information is not guaranteed. It may be subject to revision depending on future findings. The cautions described herein are targeted at usual treatment, and in case the users of this product implement special treatments, they are advised to take safety measures suitable for their purpose and usage.