



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Firestop EBI-60 - Electrical Box Insert  
**Product Code:** EBI-F1, EBI-F2  
**Product Type:** Intumescent Pad  
**Use:** Pad to seal electrical switches and outlet boxes against the spread of fire, smoke, fumes and toxic gases.  
**Chemical Family:** Organic/Inorganic

**Company Address:**  
Passive Fire Protection Partners  
1412 Derwent Way  
Delta, BC V3M 6H9  
Canada

**Contact Information:**  
Telephone: 800.810.1788  
MEDICAL EMERGENCY Phone: Poison Control Center  
1-877-671-4608 (toll free) or 1-303-592-1711  
TRANSPORT EMERGENCY Phone: CHEMTREC  
1-800-424-9300 (toll free) or 1-703-527-3887  
Internet: www.firestop.com

## SECTION 2. HAZARDS IDENTIFICATION

**Summary**

Avoid contact with eyes. Avoid breathing dust. Use in a manner that avoids generating dust. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

**WHMIS 2015/OSHA HCS 2012/GHS**

**Precautionary Statements:**

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P260: Do not breathe dust.

## SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

Hazardous Components	CAS NUMBER	Weight %* Content
Sulphuric acid, compound with graphite	12777-87-6	45 - 55
Limestone	1317-65-3	20 - 25
Polybutene	9003-29-6	20 - 25
Crystalline Silica, Quartz	14808-60-7	< 0.5
<b>Note:</b>		

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protection.



## SECTION 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
<b>Skin contact:</b>	Wash affected area immediately with mild soap and warm water. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. If a problem develops or persist, seek medical attention.
<b>Ingestion:</b>	Do Not induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.
<b>Other:</b>	No information available.
<b>Symptoms:</b>	May cause redness and irritation of the skin and to eyes.
<b>Notes to the physician:</b>	Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use appropriate extinguisher for surrounding fire.
<b>Specific hazards arising from the chemical:</b>	This product is used to contain fire.
<b>Specific protective equipment:</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighter suit may not be efficient against chemicals.
<b>Specific protective actions for firefighters:</b>	Water spray can be used to cool equipment exposed to heat and flame.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in the Safety Data Sheet.
<b>Environmental precautions:</b>	Prevent product from entering drains.
<b>Methods and material for containment and clean-up:</b>	Ventilate well the area. Sweep up into a suitable container for recovery or disposal.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Wear eye protection, gloves and other protection clothing that are adapted to the task being performed and the risks involved. All items should be warmed to at least 0°C (32°F) prior to installation. Do not eat, do not drink and do not smoke during use. Keep containers tightly closed when not used. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store tightly close and in properly labelled container. Store away from oxidizing materials and incompatible materials (see section 10).
<b>Storage:</b>	4 to 40°C (39.2 to 104°F)



## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Immediately Dangerous to Life or Health**

Crystalline Silica, Quartz : 50 mg/m<sup>3</sup>.

Hazardous Components					
Sulphuric acid, compound with graphite	TWA (8h)	Respirable Dust Total Dust		3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	ACGIH ACGIH
Limestone	STEL TWA (8h)	Total Dust Respirable Dust Total Dust Total Dust		20 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	BC OSHA ACGIH, BC , ON, RSST OSHA
Crystalline Silica, Quartz	TWA (8h)	Respirable Dust Respirable Dust Total Dust		0.025 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> 0.3 mg/m <sup>3</sup>	ACGIH, BC ON, OSHA, RSST OSHA

**Appropriate engineering controls:** Provide sufficient mechanical (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits.

**Individual protection measures**

**Eyes:**

Safety glasses.

**Hands:**

In case of prolonged contact with skin wear nitrile gloves. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. Before using, user should confirm impermeability. Discard gloves that show tears, pinholes, or signs of wear.

**Skin:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear an apron, if necessary, to prevent repeated or prolonged contact with skin.

**Respiratory:**

A respirator is not required in a well-ventilated area. Respiratory protection equipment (PPE) must be elected, fitted, maintained and inspected in accordance with regulations and CSA Standard Z 94.4 and approved by NIOSH / MSHA. During dusty operations (dispersion of respirable crystalline silica) use a hermetic mask or a disposable mask equipped with a particle filter N100 or R100 (mask adjustment fit-test mandatory).

**Feet:**

No personal protection measure required.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Colour:</b>	Black
<b>Odour:</b>	Negligible
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Boiling point/range:</b>	Not available
<b>Freezing point/range:</b>	Not available
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.5 - 1.7 kg/L (Water = 1)
<b>Vapor density:</b>	Not applicable





Revision Date: 01/06/2015

Version: 1.0

Replaces Version:

<b>Flash point:</b>	Not applicable
<b>Flammable / Explosive limits - lower:</b>	Not applicable
<b>Flammable / Explosive limits - upper:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in water:</b>	insoluble in water
<b>Vapour density</b>	Not applicable (Air = 1)
<b>Percent Volatile:</b>	0%
<b>Viscosity:</b>	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Possibility of hazardous reactions: (Including polymerizations)</b>	Hazardous polymerization will not occur under recommended storage.
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced
<b>Incompatible materials:</b>	Strong oxidizing agents (such as nitric acid, perchloric acid, peroxides, chlorates and perchlorates).
<b>Reactivity:</b>	Material will expand when exposed to temperature above 150°C (302°F).
<b>Conditions to avoid:</b>	Avoid contact with incompatible materials.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Relevant Routes of Exposure:** Inhalation, Skin Contact, Eyes, Ingestion

<b>Numerical measures of toxicity:</b>	Sulphuric acid, compound with graphite	Ingestion	>2000 mg/kg	Rat	LD50
		Skin	>2000 mg/kg	Rat	LD50
	Limestone	Ingestion	6480 mg/kg	Rat	LD50
	Polybutene	Ingestion	>10000 mg/kg	Rat	LC50
		Inhalation	>19.85 mg/l/4h	Rat	LD50
		Skin	>2000 mg/kg	Rabbit	LD50
	Crystalline Silica, Quartz	Ingestion	>15000 mg/kg	Human	LD50
			500 mg/l/1h	Rat	LC50
		Skin	>8000 mg/kg	Rabbit	LD50

### Delayed, immediate and chronic effects

<b>Eye contact:</b>	May cause redness and slight irritation of the eyes. Eye Irritation/Corrosion, Rabbit: tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.
<b>Skin contact:</b>	May redness and irritation of the skin. Skin Irritation/Corrosion, Rabbit : tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.
<b>Inhalation:</b>	Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions.
<b>Ingestion:</b>	Swallowing will cause digestive tract disturbances resulting in nausea, vomiting, cramps and diarrhea.
<b>Respiratory or skin sensitization IARC:</b>	Ingredients present at levels greater than or equal to 0.1% of this product are skin or respiratory sensitizers.





**Safety Data Sheet (SDS)**  
OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015

Version: 1.0

Replaces Version:

<b>IARC/NTP Classification:</b>	Common name Crystalline Silica, Quartz IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.	IARC 1	NTP K
<b>Carcinogenicity:</b>	Crystalline silica is known to cause lungs cancer only in dust form. The physical state of this product is not expected to produce dust.		
<b>Mutagenicity:</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effect.		
<b>Reproductive Toxicity:</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause effects on reproduction.		
<b>Specific target organ toxicity (single exposure):</b>	No target organ is listed.		
<b>Specific target organ toxicity (repeated exposure):</b>	No target organ is listed.		
<b>Interactive effects:</b>	No information available for this product.		
<b>Other information:</b>	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation (dust/mist) of the mixture was calculated to be greater than 5 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.		

**SECTION 12. ECOLOGICAL INFORMATION**

<b>Ecological toxicity:</b>	Fish - Leuciscus idus Aquatic Invertebrate - Daphnia, Magna, EC50 > 100 mg/L: 48 h (Polybutene) Water flea, fresh water	LC50 >10000 mg/L; 96 h (Polybutene)
<b>Persistence</b>	Contains an or many ingredients that may be persistent in aquatic environment.	
<b>Degradability</b>	No information available for this product. The term biodegradability, as such, is not applicable to inorganic compounds.	
<b>Bioaccumulative potential</b>	No information available for this product. Polybutene is readily biodegradable 93.9% in 28 days (OECD Guideline 310).	
<b>Mobility in soil</b>	No information available for this product. The Koc of polybutene was calculated as 2691534. It is expected to have slight mobility in soil.	
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.	

**SECTION 13. DISPOSAL CONSIDERATIONS**

<b>Container:</b>	Important! Prevent waste generation. Use in full. DO NOT throw residual to sewer, streams, sewers or drinking water supply. Smaller quantities can be disposed like normal waste. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
-------------------	--

SDS - EBI-60

Recycled  
Recyclable



1.800.810.1788 Technical Support  
1.800.810.1788 Customer Service

www.firestop.com  
email: firestop@firestop.com

**Passive Fire Protection Partners**  
1412 Derwent Way Delta, BC V3M 6H9



**SECTION 14. TRANSPORT INFORMATION**

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
DOT Classification	Not regulated	-	-	-	-	-
TDG Classification	Not regulated	-	-	-	-	-
Mexico Classification	Not regulated	-	-	-	-	-
ADR / RID Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-

**TDG - Transportation of Dangerous Goods (Canada)**

**Transport hazard:** Not regulated  
**Packing group:** Not regulated  
**Emergency response guidebook 2012**

**International Air Transportation (ICAO/IATA)**

**Classification:** Not regulated

**Intranational Maritime Transport Association (IMO/IMDG)**

**Classification:** Not regulated

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. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

**SECTION 15. REGULATORY INFORMATION**

**United State of America**

Common Name	CAS	TSCA	CERCLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Priority
Polybutene	9003-29-6	X								
Limestone	1317-65-3	X								
Sulphuric acid, compound with graphite	12777-87-6	X								
Silica Crystalline, Quartz	14808-60-7	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list





**Canada**

Common Name	CAS	CEPA	DSL	NDSL	NPRI
Sulphuric acid, compound with graphite	12777-87-6			X	
Limestone	1317-65-3			X	
Polybutene	9003-29-6		X		
Crystalline Silica, Quartz	14808-60-7		X		
- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act - DSL: Domestic Substances List Inventory - NDSL: Non-Domestic Substances List Inventory - NPRI: National Pollutant Release Inventory Substances					

**California Proposition 65**

Common Name	CAS	Cancer	Reproductive and Developmental Toxicity
Crystalline Silica, Quartz	14808-60-7	X	

**SECTION 16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections:

**Prepared by:** Chemical Laboratory

**Issue date:** June 1, 2015

**Other information**

**REFERENCES:**

- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <http://hazmap.nlm.nih.gov/index.php>
- TOXNET Databases, Toxicology Data Network, NIH U.S. National Library of Medicine, <http://toxnet.nlm.nih.gov/>
- Service du répertoire toxicologique de la Commission de la santé et de la sécurité du travail (CSST), <http://www.reptox.csst.qc.ca>
- OECD Existing Chemicals Database, Chemicals Screening Information DataSet (SIDS) for High Volume Chemicals, UNEP publications, <http://webnet.oecd.org/HPV/UI/Search.aspx>
- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Association
- HMIS: Hazardous Materials Identification System
- NFPA: National Fire Protection Association
- OSHA: Occupational Safety and Health Administration (USA)
- NIOSH: National Institute for Occupational Safety and Health
- NTP: National Toxicology Program
- RSST: Règlement sur la santé et la sécurité du travail (Québec)
- GHS: Globally Harmonized System
- IARC: International Agency for Research on Cancer
- IDLH: Immediately Dangerous to Life or Health
- STEL: Short Term Exposure Limit (15 min)
- TWA: Time Weighted Averages
- WHMIS: Workplace Hazardous Materials Information System

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, PFP Partners does not assume responsibility for any results obtained by persons over whose methods PFP Partners has no control. It is the user's responsibility to determine the suitability of PFP Partners's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of PFP Partners 's products. In light of the foregoing, PFP Partners specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of PFP Partners 's products. PFP Partners further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**SDS - EBI-60**



**Safety Data Sheet (SDS)**  
OSHA Haz Com Standard 29 CFR 1910.1200.



Revision Date: 01/06/2015

Version: 1.0

Replaces Version:

SDS - EBI-60

Recycled  
Recyclable



1.800.810.1788 Technical Support  
1.800.810.1788 Customer Service

[www.firestop.com](http://www.firestop.com)  
email: [firestop@firestop.com](mailto:firestop@firestop.com)

**Passive Fire Protection Partners**  
1412 Derwent Way Delta, BC V3M 6H9

© 2015 PFP Partners. All rights reserved.

PPF0615-1