

Canada

Safety Data Sheet (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Firestop EBI-60 - Product Code: EBI-F1, EBI-F2

Electrical Box Insert

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:Contact Information:Passive Fire Protection PartnersTelephone: 800.810.1788

1412 Derwent Way

MEDICAL EMERGENCY Phone: Poison Control Center
Delta, BC V3M 6H9

MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711

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.

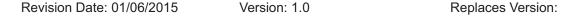
SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

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
Note:		

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



OSHA Haz Com Standard 29 CFR 1910.1200.





SECTION 4. FIRST AID MEASURES

Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained Inhalation:

personnel. If a problem develops or persists, seek medical attention.

Wash affected area immediately with mild soap and warm water. Remove contaminated clothing and wash before Skin contact:

reuse. If a problem develops or persists, seek medical attention.

Eye contact: 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.

Ingestion: 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.

Other: No information available.

Symptoms: May cause redness and irritation of the skin and to eyes.

Notes to the physician:

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use appropriate extinguisher for surrounding fire.

Specific hazards arising from the

chemical:

This product is used to contain fire.

Specific protective equipment: Firefighters must wear self contained breathing apparatus with full face mask.

Firefighter suit may not be efficient against chemicals.

Specific protective actions for

firefighters:

Water spray can be used to cool equipment exposed to hear and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency

procedures

Do not touch spilled material. Make sure to wear personal protective equipment

mentioned in the Safety Data Sheet.

Prevent product from entering drains. **Environmental precautions:**

and clean-up:

Methods and material for containment Ventilate well the area. Sweep up into a suitable container for recovery or disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: 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.

Conditions for safe storage, including

any incompatibilities:

Store tightly close and in properly labelled container. Store away from oxidizing

materials and incompatible materials (see section 10).

4 to 40°C (39.2 to 104°F) Storage:

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

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OSHA Haz Com Standard 29 CFR 1910.1200.

Version: 1.0 Revision Date: 01/06/2015 Replaces Version:

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Immediately Dangerous to Life or Health

Crystalline Silica, Quartz: 50 mg/m3.

Hazardous Components				
Sulphuric acid, compound with graphite	TWA (8h)	Respirable Dust Total Dust	3 mg/m ³ 10 mg/m ³	ACGIH ACGIH
Limestone	STEL TWA (8h)	Total Dust Respirable Dust Total Dust Total Dust	20 mg/m³ 5 mg/m³ 10 mg/m³ 15 mg/m³	BC OSHA ACGIH, BC , ON, RSST OSHA
Crystalline Silica, Quartz	TWA (8h)	Respirable Dust Respirable Dust Total Dust	0.025 mg/m³ 0.1 mg/m³ 0.3 mg/m³	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

Physical state: Solid Colour: Black Odour. Negligible Odor threshold: Not available pH: Not available Boiling point/range: Not available Not available Freezing point/range: Melting point/range: Not available

1.5 - 1.7 kg/L (Water = 1) Specific gravity:

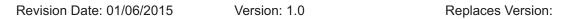
Vapor density: Not applicable

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OSHA Haz Com Standard 29 CFR 1910.1200.





Not applicable Flash point: Flammable / Explosive limits - lower: Not applicable Flammable / Explosive limits - upper: Not applicable Autoignition temperature: Not applicable **Evaporation rate:** Not applicable Solubility in water: insoluble in water Not applicable (Air = 1) Vapour density

Percent Volatile: 0%

Viscosity: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Possibility of hazardous reactions:

(Including polymerizations)

Hazardous polymerization will not occur under recommended storage.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should

not be produced

Strong oxidizing agents (such as nitric acid, perchloric acid, peroxides, Incompatible materials:

chlorates and perchlorates).

Reactivity: Material will expand when exposed to temperature above 150°C (302°F).

Conditions to avoid: Avoid contact with incompatible materials.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Numerical measures of	Sulphuric acid, compound with graphite	Ingestion	>2000 mg/kg Ra	
toxicity:		Skin	>2000 mg/kg Ra	t LD50
	Limestone	Ingestion	6480 mg/kg Ra	t LD50
	Polybutene	Ingestion	>10000 mg/kg Ra	t LC50
		Inhalation	>19.85 mg/l/4h Ra	t LD50
		Skin	>2000 mg/kg Ra	bbit LD50
	Crystalline Silica, Quartz	Ingestion	>15000 mg/kg Hu	man LD50
		-	500 mg/l/1h Ra	t LC50
		Skin	>8000 mg/kg Ra	bbit LD50

Delayed, immediate and chronic effects

Eye contact: 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.

May redness and irritation of the skin. Skin Irritation/Corrosion, Rabbit : tests performed with Skin contact:

each ingredient of this mixture gave not irritating to slightly irritating results.

Inhalation: Generally speaking, working cleanly and following basic precautionary measures will greatly

minimize the potential for harmful exposure to this product under normal use conditions.

Ingestion: Swallowing will cause digestive tract disturbances resulting in nausea, vomiting, cramps and

Respiratory or skin Ingredients present at levels greater than or equal to 0.1% of this product are skin or respiratory

sensitization IARC: sensitizers.



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Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

IARC/NTP Classification: **IARC** NTP Common name

Crystalline Silica, Quartz 1 Κ

IARC: 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.

Carcinogenicity: Crystalline silica is known to cause lungs cancer only in dust form. The physical state of this

product is not expected to produce dust.

Mutagenicity: Ingredients in this product present at levels greater than or equal to 0.1% are not known to

cause mutagenic effect.

Reproductive Toxicity: Ingredients in this product present at levels greater than or equal to 0.1% are not known to

cause effects on reproduction.

Specific target organ

toxicity (single exposure):

No target organ is listed.

Specific target organ toxicity (repeated

exposure):

No target organ is listed.

Interactive effects: No information available for this product.

The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater Other information:

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

Ecological toxicity: Fish - Leuciscus idus LC50 >10000 mg/L; 96 h (Polybutene)

Aquatic Invertebrate - Daphnia, Magna, EC50 > 100 mg/L: 48 h (Polybutene) OECD 202

Water flea, fresh water

Persistence Contains an or many ingredients that may be persistent in aquatic environment.

No information available for this product. The term biodegradability, as such, is not Degradability

applicable to inorganic compounds.

Bioaccumulative No information available for this product. Polybutene is readily biodegradable 93.9% in

potential 28 days (OECD Guideline 310).

Mobility in soil No information available for this product. The Koc of polybutene was calculated as

2691534. It is expected to have slight mobility in soil.

This chemical does not deplete the ozone layer. Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Container: Important! Prevent waste generation. Use in full. DO NOT throw residual to sewer,

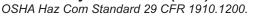
streams, sewers or drinking water supply. Smaller quantities can be disposed like normal waste. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

Recycled

Recyclable

Safety Data Sheet (SDS)

Version: 1.0





SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
DOT Classification	Not regulated	-	-	1	-	-
TDG Classification	Not regulated	-	-	-	-	-
Mexico Classification	Not regulated	-	-	-	-	-
ADR / RID Class	Not regulated	-	-	1	-	-
IMDG Class	Not regulated	-	-	1	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-

Replaces Version:

TDG - Transportation of Dangerous Doods (Canada)

Transport hazard: Not regulated Not regulated Packing group:

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

Revision Date: 01/06/2015

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	Х								
Limestone	1317-65-3	Х								
Sulphuric acid, compound with graphite	12777-87-6	Х								
Silica Crystalline, Quartz	14808-60-7	Х								

- 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





OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

Canada

Common Name	CAS	CEPA	DSL	NDSL	NPRI
Sulphuric acid, compound with graphite	12777-87-6			Х	
Limestone	1317-65-3			Х	
Polybutene	9003-29-6		Х		
Crystalline Silica, Quartz	14808-60-7		Х		

- 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	Х	

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, 2015OtherREFERENCES:

information - 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

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