



MATERIAL SAFETY DATA SHEET

Product Identifier Firestop EBI-60
Product Use Electrical Outlet Box Insert
Manufacturer Passive Fire Protection Partners, 1412 Derwent Way, Delta, BC V3M 6H9
Emergency Number (800) 810 - 1788

INGREDIENT INFORMATION

Ingredient	CAS #	% (wt.)	LC ₅₀ (rat)	LD ₅₀ (rat)	TLV	STEL
Polybutenes Polymers	9003-29-6	< 30	N/A	N/A	N/A	N/E
Calcium Carbonate	1317-65-3	< 30	N/A	N/A	10 mg/m ³	N/E
Natural Graphite	7782-42-5	< 60	N/A	N/A	2.0 mg/m ³	N/E
Sulfuric Acid	7664-93-9	< 15	N/A	N/A	1 mg/m ³	N/E
Nitric Acid ¹	7697-37-2	< 10	N/A	N/A	5.2 mg/m ³	N/E

NOTE: THE ACID COMPONENTS OF THIS PRODUCT ARE ENCAPSULATED WITHIN THE NATURAL GRAPHITE MATRIX. THEY DO NOT POSE A HAZARD DURING NORMAL USE OR HANDLING.

PHYSICAL PROPERTIES

Appearance / Physical State	Black, solid	Specific Gravity (@25°C)	1.50 – 1.70
Odour	Slight to none	Evaporation Rate	N/A
Odour Threshold	N/A	Boiling Point (°C)	Not determined.
Vapour Pressure (mm Hg)	N/A	Freezing Point (°C)	Not determined.
Vapour Density (Air = 1)	N/A	pH	Not determined.
Coefficient of H₂O/Oil Distrib	Not determined.	VOC contents (g/L)	0

FIRE AND EXPLOSION DATA

Flammability No
Means of Extinction CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special Fire-fighting Procedures Firefighters should wear the usual protective gear, including the use of self-contained breathing apparatus.
Auto-ignition Temperature (°C) N/A
Flash Point (°C) / Method 214 / (PMCC)
Upper Flammable Limit (% Vol.) N/A
Lower Flammable Limit (% Vol.) N/A
Sensitivity to Mechanical Impact No
Sensitivity to Static Discharge No
Hazardous Combustion Products Thermal decomposition or combustion may produce dense smoke, oxides of carbon, sulfur, nitrogen and low molecular weight organic compounds whose composition has not been characterized. Material volume will increase up to 200 times when exposed to intense heat.



MSDS - EBI-60

REACTIVITY DATA

Stability	Stable at normal condition
Condition of Reactivity	Material will expand when exposed to temperature above 150°C
Incompatible Materials	Reacts with strong oxidizing agents
Hazardous Decomposition Products	Carbon Monoxide and Carbon Dioxide.

TOXICOLOGICAL PROPERTIES

Routes of Exposure	<input checked="" type="checkbox"/> Skin contact	<input type="checkbox"/> Skin absorption	<input type="checkbox"/> Eye contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
Effects of Acute Exposure to Product	Skin and eye irritation may occur after contact with the product.				
Effects of Chronic Exposure to Product	None known				
Exposure Limits	N/A				
Irritancy of Product	None known				
Sensitization of Product	None known				
Carcinogenicity	None known				
Teratogenicity	None known				
Reproductive Toxicity	None known				

FIRST AID MEASURES

Eye Contact	Flush with large quantities of water gently for 15 minutes and get immediate medical attention.
Skin Contact	Wash with soap and water.
Inhalation	Remove affected person away from source of exposure to fresh air and get medical attention IMMEDIATELY.
Ingestion	Get medical attention IMMEDIATELY.

PREVENTIVE MEASURES

Engineering Controls	Standard industrial ventilation is recommended.
Personal Protective Equipment	General protective and hygienic measures were required during normal use and handling.
Eye Protection (Specify)	Safety glasses with side-shields
Skin Protection (Specify)	Protective work clothing.
Respiratory (Specify)	None normally required. However, use a NIOSH / OSHA approved respirator if mist or vapours formation should occur.
Other	

PRECAUTION FOR SAFE HANDLING AND USE

Handling Procedure and Equipment	No special measures required.
Storage Requirement	Keep under their original cover at temperature between 2 - 49°C (6 - 120°F).
Spills, Leaks or Releases	Not applicable.
Waste Disposal	Care should be taken to ensure that the material or its containers are disposed of in an approved facility, in accordance with state, provincial and local regulations.
Special Shipping Instructions	Not determined.





REGULATION INFORMATION

WHMIS	D2A, E
HMIS	Health 1, Flammability 0, Reactivity 0, Personal Protection B
TDG Regulation	None known
TSCA	All ingredients of this product are on the inventory list.
DSL	All ingredients of this product are on the list.

PREPARATION INFORMATION

Prepared by	Chemical Laboratory, Passive Fire Protection Partners
Preparation Date	September 12, 2017
Telephone	(604) 515-1788
Website	www.firestop.com
Abbreviations Used	<p>% (wt.) = Weight Percentage ACGIH = American Conference of Governmental Industrial Hygienists CAS Number = Chemical Abstracts Series Number DSL = Domestic Substance List in Canada H = Hours HMIS = Hazardous Material Identification System IARC = International Agency for Research on Cancer LC₅₀ = Lethal Concentration, 50% LD₅₀ = Lethal Dose, 50% MSHA = Mine Safety and Health Administration N/A = Not Applicable or Not Available N/E = None Established NIOSH = The National Institute for Occupational Safety and Health NTG = National Toxicology Program OSHA = The Occupational Safety and Administration STEL = Short Term Exposure Limit TDG = Transportation of Dangerous Goods TLV = Threshold Limit Value TSCA = Toxic Substance Control Act in US VOC = Volatile Organic Compounds WHMIS = Workplace Hazardous Material Identification System</p>

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