



MSDS 3600EX  
Revision No 002  
Prep. Date November 10, 2006  
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## MATERIAL SAFETY DATA SHEET

**Product Identifier** **Firestop 3600EX**  
**Product Use** Fire and Smoke Stop Intumescent Caulk  
**Manufacturer** Passive Fire Protection Partners, 1412 Derwent Way, Delta, BC V3M 6H9  
**Emergency Number** (800) 810 - 1788

## INGREDIENT INFORMATION

Ingredient	CAS Number	% (wt.)	LC <sub>50</sub> (rat)	LD <sub>50</sub> (rat)	TLV	STEL
Water	7732-18-5	< 25	N/A	N/A	N/E	N/E
Acrylic Polymer	None known	< 45	N/A	N/A	N/A	N/A
Calcium Carbonate	1317-65-3	< 50	N/A	N/A	N/A	N/E
Graphite	7782-42-5	< 10	N/A	N/A	2.0 mg/M <sup>3</sup>	N/A
Auxiliary Chemicals	N/A	< 10	N/A	N/A	N/A	N/A
Color Pigment	1309-37-1	< 1	N/A	N/A	N/A	N/A

## PHYSICAL PROPERTIES

<b>Appearance / Physical State</b>	Rust Red, viscous compound	<b>Specific Gravity (@25°C)</b>	1.40 – 1.50
<b>Odour</b>	Mild odour	<b>Evaporation Rate</b>	< 1
<b>Odour Threshold</b>	Slightly aromatic odour	<b>Boiling Point (°C)</b>	> 100
<b>Vapour Pressure (mm Hg)</b>	N/A	<b>Freezing Point (°C)</b>	0
<b>Vapour Density (Air = 1)</b>	of Water vapor	<b>pH</b>	8.0 – 9.0
<b>Coefficient of H<sub>2</sub>O/Oil Distrib</b>	Not determined	<b>VOC contents (g/L)</b>	37.1

## FIRE AND EXPLOSION DATA

<b>Flammability</b>	No
<b>Means of Extinction</b>	Normal fire fighting procedures should be followed to avoid inhalation of smokes and gases.
<b>Special Fire-fighting Procedures</b>	Firefighters should wear the usual protective gear use self-contained breathing apparatus.
<b>Auto-ignition Temperature (°C)</b>	N/A
<b>Flash Point (°C) / Method</b>	N/A
<b>Upper Flammable Limit (% Volume)</b>	N/A
<b>Lower Flammable Limit (% Volume)</b>	N/A
<b>Sensitivity to Mechanical Impact</b>	No
<b>Sensitivity to Static Discharge</b>	No
<b>Hazardous Combustion Products</b>	Carbon Monoxide, Carbon Dioxide, aliphatic hydrocarbons and hydrocarbon oxidation products

## REACTIVITY DATA

<b>Stability</b>	Stable at normal condition
<b>Condition of Reactivity</b>	Contact with incompatible substances
<b>Incompatible Materials</b>	Reacts with mineral acids and alkalis
<b>Hazardous Decomposition Products</b>	Dried films forced to burn will produce: Carbon Monoxide, Carbon Dioxide, aliphatic hydrocarbons and hydrocarbon oxidation products.



### 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	None known
Irritancy of Product	Slight on skin and eyes
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 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	Chemical safety glasses and gloves were required during normal use and handling.
Eye Protection (Specify)	Face shield or chemical goggles were recommended.
Skin Protection (Specify)	Chemical resistant nitrile, neoprene or rubber gloves were recommended if contact to the product directly.
Respiratory (Specify)	Respiratory protection is not normally required. Use NIOSH/MSHA approved respirator if condition warrant.
Other	

### PRECAUTION FOR SAFE HANDLING AND USE

Handling Procedure and Equipment	N/A
Storage Requirement	Material should be kept in a closed canteens and stored between 4 – 32°C (40 – 90°F)
Spill, Leak or Releases	Wear protective equipment during cleanup.
Waste Disposal	Care should be taken to ensure that the material or its containers and disposed of in an approved facility, state, provincial and local regulations.
Special Shipping Instructions	DO NOT FREEZE

### REGULATION INFORMATION

WHMIS	Not controlled
HMIS	Health 1, Flammability 0, Reactivity 0
TDG Regulation	Not classified as a hazardous material.
TSCA	All ingredients of this product are on the inventory list.
DSL	All ingredients of this product are on the list.



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### PREPARATION INFORMATION

<b>Prepared by</b>	Chemical Laboratory, Passive Fire Protection Partners
<b>Preparation Date</b>	November 10, 2006
<b>Telephone</b>	(604) 515-1788
<b>Internet Address</b>	<a href="http://www.firestop.com">http://www.firestop.com</a>
<b>Abbreviations Used</b>	<p>% (wt.) = Weight Percentage <b>CAS Number</b> = Chemical Abstracts Series Number <b>DSL</b> = Domestic Substance List in Canada <b>H</b> = Hours <b>HMIS</b> = Hazardous Material Identification System <b>LC<sub>50</sub></b> = Lethal Concentration, 50% <b>LD<sub>50</sub></b> = Lethal Dose, 50% <b>MSHA</b> = Mine Safety and Health Administration <b>N/A</b> = Not Applicable or Not Available <b>N/E</b> = None Established <b>NIOSH</b> = The National Institute for Occupational Safety and Health <b>STEL</b> = Short Term Exposure Limit <b>TDG</b> = Transportation of Dangerous Goods <b>TLV</b> = Threshold Limit Value <b>TSCA</b> = Toxic Substance Control Act in US <b>VOC</b> = Volatile Organic Compounds <b>WHMIS</b> = Workplace Hazardous Material Identification System</p>

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