



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 ₅₀ (rat)	LD ₅₀ (rat)	TLV	STEL
Calcium Carbonate	1317-65-3	< 50	N/A	N/A	N/A	N/E
Acrylic Polymer	None known	< 45	N/A	N/A	N/A	N/A
Water	7732-18-5	< 25	N/A	N/A	N/E	N/E
Graphite	7782-42-5	< 10	N/A	N/A	2.0 mg/m ³	N/A
Auxiliary Chemicals	N/A	< 10	N/A	N/A	N/A	N/A
Iron Red Oxide ⁽¹⁾	1309-37-1	< 0.5	N/A	N/A	N/A	N/A
Iron Black Oxide ⁽²⁾	1317-61-9	< 0.1	N/A	N/A	N/A	N/A
Titanium Dioxide ^{(3), (4)}	13463-67-7	< 2	N/A	N/A	10 mg/m ³	N/A
Iron Yellow Oxide ⁽⁴⁾	51274-00-1	< 1	N/A	N/A	N/A	N/A
Aqueous Colorant, Blue ⁽⁵⁾	N/A	< 0.5	N/A	N/A	N/A	N/A

⁽¹⁾ - Rust Red; ⁽²⁾ - Grey; ⁽³⁾ - White; ⁽⁴⁾ - Yellow; ⁽⁵⁾ - Blue

PHYSICAL PROPERTIES

Appearance / Physical State	Rust Red, viscous compound	Specific Gravity (@25°C)	1.40 – 1.50
Odour	Mild odour	Evaporation Rate	< 1
Odour Threshold	Slightly aromatic odour	Boiling Point (°C)	> 100
Vapour Pressure (mm Hg)	N/A	Freezing Point (°C)	0
Vapour Density (Air = 1)	of Water vapor	pH	8.0 – 9.0
Coefficient of H₂O/Oil Distrib	Not determined	VOC contents (g/L)	37.1

FIRE AND EXPLOSION DATA

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

REACTIVITY DATA

Stability	Stable at normal condition
Condition of Reactivity	Contact with incompatible substances
Incompatible Materials	Reacts with mineral acids and alkalis
Hazardous Decomposition Products	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 it’s 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.



MSDS 3600EX
Revision No 003
Revision Date August 24, 2009
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PREPARATION INFORMATION

Prepared by Chemical Laboratory, Passive Fire Protection Partners
Preparation Date January 03, 2003
Telephone (604) 515-1788
Internet Address <http://www.firestop.com>
Reason for Revision New formulation, rev 001, January 03, 2003
Ingredient information updating, rev 002, November 16, 2006
Formulation updating, rev 003, August 24, 2009
Revision Date August 24, 2009
Abbreviations Used
% (wt.) = Weight Percentage
CAS Number = Chemical Abstracts Series Number
DSL = Domestic Substance List in Canada
H = Hours
HMIS = Hazardous Material Identification System
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
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

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