

**MATERIAL SAFETY DATA SHEET**

**Product Identifier** Firestop 4800DW  
**Product Use** Fire and Smoke Stop Caulk and Sealant  
**Manufacturer** Passive Fire Protection Partners, 1412 Derwent Way, Delta, BC V3M 6H9

**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
Vinyl Acetate Monomer	108-05-4	< 0.2	11400 mg/m <sup>3</sup> /4H	2900 mg/Kg	10 ppm	N/A
Vinyl Acetate Polymers	Not disclosed	< 40	N/A	N/A	N/A	N/A
Formaldehyde	50-00-0	< 40 ppm	250-478 ppm/4H	100 mg/Kg	N/A	2 ppm
Calcium Carbonate	1317-65-3	< 50	N/A	N/A	N/A	N/E
Color Pigment	1309-37-1	< 1	N/A	N/A	N/A	N/A
Auxiliary Chemicals	N/A	< 5	N/A	N/A	N/A	N/A

**PHYSICAL PROPERTIES**

<b>Appearance / Physical State</b>	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>	18.51880	<b>Freezing Point (°C)</b>	0
<b>Vapour Density (Air = 1)</b>	of Water vapor	<b>pH</b>	8 - 9
<b>Coefficient of H<sub>2</sub>O/Oil Distrib</b>	Not determined	<b>VOC contents (g/L)</b>	53.9

**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 and/or Carbon Dioxide

**REACTIVITY DATA**

<b>Stability</b>	Stable at normal condition
<b>Condition of Reactivity</b>	Contact with incompatible substances
<b>Incompatible Materials</b>	Reacts with strong acids and liberates carbon dioxide
<b>Hazardous Decomposition Products</b>	Dried films forced to burn will produce carbon monoxide, carbon dioxide and hydrocarbon oxidation products.

<b>TOXICOLOGICAL PROPERTIES</b>	
<b>Routes of Exposure</b>	<input checked="" type="checkbox"/> Skin contact <input type="checkbox"/> Skin absorption <input type="checkbox"/> Eye contact <input type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
<b>Effects of Acute Exposure to Product</b>	Skin and eye irritation may occur after contact with the product.
<b>Effects of Chronic Exposure to Product</b>	None known
<b>Exposure Limits</b>	10 ppm for vinyl acetate monomer (ACGIH)
<b>Irritancy of Product</b>	Slight on skin and eyes
<b>Sensitization of Product</b>	None known
<b>Carcinogenicity</b>	OSHA, NTP, and ACGIH have not classified this product as a carcinogen. However, Vinyl Acetate is identified by IARC as a potential carcinogen on testing on laboratory animals. But there is no evidence that it has caused cancer in human.
<b>Teratogenicity</b>	None known
<b>Reproductive Toxicity</b>	None known
<b>FIRST AID MEASURES</b>	
<b>Eye Contact</b>	Flush with large quantities of water gently for 15 minutes and get medical attention.
<b>Skin Contact</b>	Wash with soap and water immediately.
<b>Inhalation</b>	Remove affected person away from source of exposure to fresh air and get medical attention IMMEDIATELY
<b>Ingestion</b>	Get medical attention IMMEDIATELY.
<b>PREVENTIVE MEASURES</b>	
<b>Engineering Controls</b>	General ventilation is recommended during normal use.
<b>Personal Protective Equipment</b>	Not generally required during normal use and handling.
<b>Eye Protection (Specify)</b>	Face shield or chemical goggles were recommended.
<b>Skin Protection (Specify)</b>	Chemical resistant nitrile, neoprene or rubber gloves were recommended if contact to the product directly.
<b>Respiratory (Specify)</b>	Respiratory was recommended if the product was installed in poorly ventilated areas.
<b>Other</b>	
<b>PRECAUTION FOR SAFE HANDLING AND USE</b>	
<b>Handling Procedure and Equipment</b>	N/A
<b>Storage Requirement</b>	Material should be kept in a closed canteens and stored between 4 – 32°C (40 –90°F)
<b>Spill, Leak or Releases</b>	Wear protective equipment during cleanup.
<b>Waste Disposal</b>	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.
<b>Special Shipping Instructions</b>	DO NOT FREEZE
<b>REGULATION INFORMATION</b>	
<b>WHMIS</b>	Not controlled
<b>HMIS</b>	Health 0, Flammability 0, Reactivity 0
<b>TDG Regulation</b>	Not classified as a hazardous material.
<b>TSCA</b>	All ingredients of this product are on the inventory list.
<b>DSL</b>	All ingredients of this product are on the list.

### PREPARATION INFORMATION

**Prepared by** Chemical Laboratory, Passive Fire Protection Partners  
**Preparation Date** November 10, 2006  
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**Abbreviations Used**

**% (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  
**LC<sub>50</sub>** = Lethal Concentration, 50%  
**LD<sub>50</sub>** = 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

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