



**MATERIAL SAFETY DATA SHEET**

**Product Identifier** Firestop 4100NS  
**Product Use** Fire and Smoke Stop Non-Sag Caulk and Sealant  
**Manufacturer** Passive Fire Protection Partners, 1412 Derwent Way, Delta, BC V3M 6H9  
**Emergency Number** (800) 810 - 1788

**INGREDIENT INFORMATION**

Ingredient	CAS #	% (wt.)	LC <sub>50</sub> (rat)	LD <sub>50</sub> (rat)	TLV	STEL
Calcium Carbonate	1317-65-3	< 50	N/A	N/A	N/A	N/E
Vinyl Acetate Polymers	Not disclosed	< 40	N/A	N/A	N/A	N/A
Water	7732-18-5	< 25	N/A	N/A	N/E	N/E
Auxiliary Chemicals	N/A	< 10	N/A	N/A	N/A	N/A
Titanium Dioxide <sup>(1),(3)</sup>	13463-67-7	< 1	N/A	N/A	10 mg/m <sup>3</sup>	N/A
Iron BlackOxide <sup>(1)</sup>	1317-61-9	< 0.1	N/A	N/A	N/A	N/A
Iron Red Oxide <sup>(2)</sup>	1309-37-1	< 0.5	N/A	N/A	N/A	N/A
Iron Yellow Oxide <sup>(4)</sup>	51274-00-1	< 0.5	N/A	N/A	N/A	N/A
Aqueous Colorant, Blue <sup>(5)</sup>	N/A	< 0.5	N/A	N/A	N/A	N/A

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

**PHYSICAL PROPERTIES**

<b>Appearance / Physical State</b>	Grey, 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>	Slight 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 vapour	<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, including the use of self-contained breathing apparatus.
<b>Auto-ignition Temperature (°C)</b>	N/A
<b>Flash Point (°C) / Method</b>	N/A
<b>Upper Flammable Limit (% Vol.)</b>	N/A
<b>Lower Flammable Limit (% Vol.)</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

MSDS - 4100NS



## MSDS - 4100NS

### 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 film forced to burn will produce: Carbon Monoxide, Carbon Dioxide, and Hydrocarbon Oxidation products.

### TOXICOLOGICAL PROPERTIES

<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 (ACHIH)
<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

### FIRST AID MEASURES

<b>Eye Contact</b>	Flush with large quantities of water gently for 15 minutes and get immediate medical attention.
<b>Skin Contact</b>	Wash with soap and water.
<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.

### PREVENTIVE MEASURES

<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 are recommended .
<b>Skin Protection (Specify)</b>	Chemical resistant nitrile, neoprene or rubber gloves are 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>	

### PRECAUTION FOR SAFE HANDLING AND USE

<b>Handling Procedure and Equipment</b>	N/A
<b>Storage Requirement</b>	Material should be kept in a closed containers and stored between 4 - 32°C (40 - 90°F).
<b>Spills, Leaks or Releases</b>	Wear protective equipment during cleanup.
<b>Waste Disposal</b>	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 environmental control regulations.
<b>Special Shipping Instructions</b>	DO NOT FREEZE

MSDS - 4100NS





**REGULATION INFORMATION**

<b>WHMIS</b>	Not controlled
<b>HMIS</b>	Health 1, 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**

<b>Prepared by</b>	Chemical Laboratory, Passive Fire Protection Partners
<b>Date of Issue</b>	June 13, 2001
<b>Telephone</b>	(604) 515-1788
<b>Website</b>	www.firestop.com
<b>Reason for Revision</b>	New formulation, rev 001, March 22, 2002 New format MSDS, rev 002, September 16, 2004 Ingredient information updating, rev 003, November 10, 2006 Formulation updating, rev 004, August 24, 2009 Spelling mistake on Section of Precaution for Safe Handling and Use, rev 005, March 1, 2010 MSDS format change, rev 006, September 24, 2012
<b>Revision Date</b>	September 12, 2017
<b>Abbreviations Used</b>	% (wt.) = Weight Percentage <b>ACGIH</b> = American Conference of Governmental Industrial Hygienists <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>IARC</b> = International Agency for Research on Cancer <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>NTG</b> = National Toxicology Program <b>OSHA</b> = The Occupational Safety and Administration <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

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MSDS - 4100NS

