



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 ₅₀ (rat)	LD ₅₀ (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 ^{(1),(3)}	13463-67-7	< 1	N/A	N/A	10 mg/m ³	N/A
Iron BlackOxide ⁽¹⁾	1317-61-9	< 0.1	N/A	N/A	N/A	N/A
Iron Red Oxide ⁽²⁾	1309-37-1	< 0.5	N/A	N/A	N/A	N/A
Iron Yellow Oxide ⁽⁴⁾	51274-00-1	< 0.5	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) - Grey; (2) - Red; (3) - White; (4) - Yellow; (5) - Blue

PHYSICAL PROPERTIES

Appearance / Physical State	Grey, viscous compound	Specific Gravity (@25°C)	1.40 – 1.50
Odour	Mild odour	Evaporation Rate	< 1
Odour Threshold	Slight aromatic odour	Boiling Point (°C)	> 100
Vapour Pressure (mm Hg)	18.51880	Freezing Point (°C)	0
Vapour Density (Air = 1)	of water vapor	pH	8 - 9
Coefficient of H₂O/Oil Distrib	Not determined	VOC contents (g/L)	53.9

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 (% Vol.)	N/A
Lower Flammable Limit (% Vol.)	N/A
Sensitivity to Mechanical Impact	No
Sensitivity to Static Discharge	No
Hazardous Combustion Products	Carbon Monoxide and/or Carbon Dioxide

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REACTIVITY DATA

Stability	Stable at normal condition
Condition of Reactivity	Contact with incompatible substances
Incompatible Materials	Reacts with strong acids and liberates carbon dioxide
Hazardous Decomposition Products	Dried film forced to burn will produce: Carbon Monoxide, Carbon Dioxide, 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 eyes irritation may occur after contact with the product.
Effects of Chronic Exposure to Product	None known
Exposure Limits	10 ppm for vinyl acetate monomer (ACHIH)
Irritancy of Product	Slight on skin and eyes
Sensitization of Product	None known
Carcinogenicity	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.
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	General ventilation is recommended during normal use. .
Personal Protective Equipment	Not generally 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 was recommended if the product was installed in poorly ventilated areas.
Other	

PRECAUTION FOR SAFE HANDLING AND USE

Handling Procedure and Equipment	N/A
Storage Requirement	Material should be kept in a closed containers 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 environmental control regulations.
Special Shipping Instructions	DO NOT FREEZE

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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.

PREPARATION INFORMATION

Prepared by	Chemical Laboratory, Passive Fire Protection Partners
Date of Issue	June 13, 2001
Telephone	(604) 515-1788
Website	www.firestop.com
Reason for Revision	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
Revision Date	September 22, 2014
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 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

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