



MATERIAL SAFETY DATA SHEET

Product Identifier Firestop 3500SI
Product Use Fire and Smoke Stop Intumescent Spray
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
Acrylic-Vinyl Polymer	None known	< 50	N/A	N/A	N/A	N/A
Water	7732-18-5	< 30	N/A	N/A	N/E	N/E
Calcium Carbonate	1317-65-3	< 30	N/A	N/A	N/A	N/E
Auxiliary Chemicals	N/A	< 15	N/A	N/A	N/A	N/A
Graphite	7782-42-5	< 10	N/A	N/A	2.0 mg/m ³	N/A
Titanium Dioxide	13463-67-7	< 1	N/A	N/A	10 mg/m ³	N/A
Aqueous Colorant, Blue	N/A	< 0.5	N/A	N/A	N/A	N/A

PHYSICAL PROPERTIES

Appearance / Physical State	Blue, viscous compound	Specific Gravity (@25°C)	1.27 – 1.37
Odour	Negligible odour	Evaporation Rate	< 1
Odour Threshold	Slight aromatic odour	Boiling Point (°C)	> 100
Vapour Pressure (mm Hg)	N/A	Freezing Point (°C)	0
Vapour Density (Air = 1)	of water vapour	pH	7.5 - 8.5
Coefficient of H₂O/Oil Distrib	Not determined.	VOC contents (g/L)	44.6

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, including the use of 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, Carbon Dioxide, aliphatic hydrocarbons and hydrocarbon oxidation products.





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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 film 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 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	Standard industrial ventilation is recommended.
Personal Protective Equipment	Chemical safety glasses and gloves are required during normal use and handling.
Eye Protection (Specify)	Safety glasses
Skin Protection (Specify)	Chemical resistant nitrile, neoprene or rubber gloves are recommended if contact to the product directly.
Respiratory (Specify)	Respiratory protection is not normally required. Use a 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 container and stored between 4 - 32°C (40 - 90°F).
Spills, Leaks or Releases	Wear protective equipment during cleanup.
Waste Disposal	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.
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	April 28, 2008
Telephone	(604) 515-1788
Website	www.firestop.com
Reason for Revision	New product, rev 001, April 28, 2008 Formulation updating, rev 002, August 24, 2009 Spelling mistake in Section of Precaution for Safe Handling and Use, rev 003, March 1, 2010 MSDS format changed, rev 004, September 24, 2012
Revision Date	September 12, 2017
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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