



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: 4100SL Product Code: SL2, SL4, SL5, SL6
Product Type: Endothermic Sealant Use: Firestopping Sealant - Self-Leveling
Chemical Family: Organic/Inorganic

Company Address:
Passive Fire Protection Partners
1412 Derwent Way
Delta, BC V3M 6H9
Canada

Contact Information:
Telephone: 800.810.1788
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.firestop.com

SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Physical Hazards: None
Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion / Irritation: Not Classified
Serious Eye Damage / Eye Irritation: Not Classified
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified
Carcinogenic: Not Classified
Reproductive Toxicology: Not Classified
Target Organ System Toxicity - Single Exposure: Not Classified
Target Organ System Toxicity - Repeated Exposure: Not Classified
Aspiration Toxicity: Not Classified

ENVIRONMENTAL HAZARDS

Hazards to the Aquatic Environment: Not Classified
Acute Aquatic Toxicity: Not Classified
Chronic Aquatic Toxicity: Not Classified
Bioaccumulation Potential: Not Classified
Rapid Degradability: Not Classified

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

Hazard Symbols:



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**Precautionary Statements:**

P102 - Keep Out Of Reach of Children  
P264 - Wash Hands Thoroughly After Handling

**POTENTIAL HEALTH EFFECTS:**

**Inhalation:** May cause irritation to nose and throat.  
**Skin contact:** May cause slight irritation to skin.  
**Eye contact:** May cause slight irritation to eyes on contact.  
**Ingestion:** Not expected to be harmful by ingestion. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

**Existing conditions aggravated by exposure:** None known  
This product is consisted hazardous under 29 CFR 1910.1200 (Hazard Communication).  
**See Section 11 for additional toxicological information.**

**SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS**

Hazardous Components	CAS NUMBER	Weight %* Content
Limestone	1317-65-3	35 - 45
Vinyl Acrylic Polymer	Proprietary 18	20 - 30
Dipropylene Glycol Dibenzoate	27138-31-4	5 - 10
Texanol	25265-77-4	0.5 - 1.5
Vinyl Acetate	108-05-4	0.1 - 0.3

**Note:** The product may have different colours (rust red, grey, white, yellow or blue). Titanium Dioxide (CAS no. 13463-67-7) is ingredient only used in grey and white colour products

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protection.

**SECTION 4. FIRST AID MEASURES**

**Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.

**Skin contact:** Wash affected area immediately with mild soap and warm water. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.

**Eye contact:** Immediately flush eyes with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. If a problem develops or persist, seek medical attention.

**Ingestion:** Do Not induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.

**Other:** No information available.

**Symptoms:** May cause redness and irritation of the skin and to eyes. May cause an allergic reaction of the skin.

**Notes to the physician:** Treat symptomatically. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**SECTION 5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Use appropriate extinguisher for surrounding fire.

**Specific hazards arising from the chemical:** This product is used to contain fire.

**Specific protective equipment:** Firefighters must wear self contained breathing apparatus with full face mask. Firefighter suit may not be efficient against chemicals.

**Specific protective actions for firefighters:** Water spray can be used to cool equipment exposed to hear and flame.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Do not touch spilled material. Make sure to wear personal protective equipment mentioned in the Safety Data Sheet.

**Environmental precautions:** Prevent product from entering drains.

**Methods and material for containment and clean-up:** Ventilate well the area. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and place in an appropriate waste disposal clearly identified.

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:** Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Wear eye protection, gloves and other protection clothing that are adapted to the task being performed and the risks involved. All items should be warmed to at least 10°C (50°F) prior to installation. Do not eat, do not drink and do not smoke during use. Keep containers tightly closed when not used. After use, wash hands with soap and water. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities:** Store tightly close and in properly labelled container. Store away from oxidizing materials and incompatible materials (see section 10). Storage in high heat, high humidity conditions may reduce products shelf life. Keep from freezing.

**Storage:** 4 to 32°C (39.2 to 90°F)

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Immediately Dangerous to Life or Health** No IDLH value is reported.

Hazardous Components					
Limestone:	STEL TWA (8h)	Total Dust Respirable Dust Total Dust Total Dust		20 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	BC OSHA ACGIH, BC, ON, RSST OSHA
Texanol	TWA (8h)	Respirable Dust Total Dust		3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	ACGIH ACGIH
Vinyl Acetate	Ceiling STEL  TWA (8h)		4 ppm 15 ppm 15 ppm 10 ppm 10 ppm	15 mg/m <sup>3</sup>  53 mg/m <sup>3</sup> 35 mg/m <sup>3</sup>	NIOSH ACGIH, BC, ON RSST (C3) ACGIH, BC, ON RSST (C3)

**Appropriate engineering controls:** Provide sufficient mechanical (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits.

**Individual protection measures**

**Eyes:** Safety glasses. If risk of contact with eyes chemical splash goggles.

**Hands:** Wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. Before using, user should confirm impermeability. Discard gloves that show tears, pinholes, or signs of wear.

**Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear an apron, if necessary, to prevent repeated or prolonged contact with skin.

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**Respiratory:** A respirator is not required in a well ventilated area. Respiratory protection equipment (PPE) must be selected, fitted, maintained and inspected in accordance with regulations and CSA Standard Z 94.4 and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit: wear a half mask respirator with appropriate cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with appropriate cartridges and P100 filters.

**Feet:** Wear safety shoes.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste liquid
<b>Colour:</b>	Red
<b>Odour:</b>	Mild, aromatic
<b>Odor threshold:</b>	Not available
<b>pH:</b>	8.0 - 9.0
<b>Vapor pressure:</b>	18.52 mm Hg
<b>Boiling point/range:</b>	> 100°C (> 212°F)
<b>Freezing point/range:</b>	0°C (32°F)
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.35 - 1.45 at 25°C (77°F) (Water = 1)
<b>Vapor density:</b>	0.6 to 0.7, (Air = 1)
<b>Flash point:</b>	Not applicable
<b>Flammable / Explosive limits - lower:</b>	Not applicable
<b>Flammable / Explosive limits - upper:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Evaporation rate:</b>	< 1
<b>Solubility in water:</b>	Soluble in water
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Percent Volatile:</b>	23 to 24%
<b>Viscosity:</b>	22000 to 42850 cst @ 25°C (77°F)
<b>VOC content:</b>	26.0 g/l (calculated)

## SECTION 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Possibility of hazardous reactions: (Including polymerizations)</b>	Hazardous polymerization will not occur under recommended storage.
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced
<b>Incompatible materials:</b>	Strong oxidizing agents (such as nitric acid, perchloric acid peroxides, chlorates and perchlorates), strong acids, strong bases.
<b>Reactivity:</b>	Not information available for this product
<b>Conditions to avoid:</b>	Do not freeze. Avoid contact with incompatible materials. Avoid contamination with another chemical product.





## SECTION 11. TOXICOLOGICAL INFORMATION

**Relevant Routes of Exposure:** Inhalation, Skin Contact, Eyes, Ingestion

**Potential Health Effects / Symptoms**

<b>Inhalation:</b>	May cause irritation to nose and throat				
<b>Numerical measures of toxicity:</b>	Limestone	Ingestion	6450 mg/kg	Rat	LD50
	Dipropylene glycol dibenzoate	Ingestion	3914 mg/kg	Rat	LD50
		Inhalation	>200 mg/l/4h	Rat	LC50
	Texaznol	Skin	>2000 mg/kg	Rabbit	LD50
		Ingestion	3200 mg/kg	Rat	LD50
		Inhalation	>3.5 mg/l/4h	Rat	LC50
	Vinyl acetate	Skin	>20000 mg/kg	Rat	LD50
		Ingestion	2920 mg/kg	Rat	LD50
		Inhalation	11.4 mg/l/4h	Rat	LC50
			4000 ppm/4h	Rat	LC50
		Skin	2335 mg/kg	Rabbit	LD50

**Delayed, immediate and chronic effects**

**Eye contact:** May cause redness and irritation to eyes. Eye Irritation/Corrosion, Rabbit: tests performed with each ingredient of this mixture gave not irritating to slightly irritating results.

**Skin contact:** May cause redness and slight irritation of the skin. Skin Irritation/Corrosion, Rabbit : tests performed with each ingredient of this mixture gave not irritating to slightly irritating results..

**Inhalation:** Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions. Overexposure may cause nose, throat and respiratory tract irritation

**Ingestion:** Not expected to be harmful by ingestion. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.

**Respiratory or skin sensitization IARC:** Ingredients present at levels greater than or equal to 0.1% of this product are skin or respiratory sensitizers.

<b>NTP Classification:</b>	Common name	IARC	NTP
	Vinyl acetate	2B	-
	IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic.		
	NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.		

**Carcinogenicity:** Contains a substance that can cause cancer based on animal data. The risk of cancer depends on duration and level of exposure.

**Mutagenicity:** Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effect.

**Reproductive Toxicity:** Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause effects on reproduction.

**Specific target organ toxicity (single exposure):** No target organ is listed.

**Specific target organ toxicity (repeated exposure):** No target organ is listed.

**Interactive effects:** No information available for this product.

**Other information:** The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation (dust/mist) of the mixture was calculated to be greater than 5 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012..

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## SECTION 12. ECOLOGICAL INFORMATION

**Ecological information:** Not applicable

## SECTION 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only:**

**Recommend method of disposal:** Dispose should be in accordance with applicable regional, national, Federal, State and local governmental regulations.

**Waste disposal:** The generation of waste should be avoided or minimized wherever possible. Empty containers may retain some product residues. This material and its containers must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product should at all times must comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste number:** It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

## SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
DOT Classification	Not regulated	-	-	-	-	-
TDG Classification	Not regulated	-	-	-	-	-
Mexico Classification	Not regulated	-	-	-	-	-
ADR / RID Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None

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Packing group: None

**Water Transportation (IMO/IMDG)**

Proper shipping name: Not regulated  
 Hazard class or division: None  
 Identification number: None  
 Packing group: None

**SECTION 15. REGULATORY INFORMATION**

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory  
**TSCA 12 (b) Export Notification:** None above reporting de minimus  
**CERCLA / SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA / SARA Section 311/312:** Immediate health  
**CERCLA / SARA 313:** None above reporting de minimus  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present. No California Proposition 65 listed chemicals are known to be present

**Canada Regulatory Information**

**CEPA DSL / NDSL Status:** All components are listed on or exempt from listing on the Canadian Domestic Substances List.  
**WHMIS hazard class:** Not controlled

**SECTION 16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections:

**Prepared by:** Chemical Laboratory  
**Issue date:** March 18, 2019

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