



MSDS - 4100SL

MATERIAL SAFETY DATA SHEET

Product Identifier Firestop 4100SL
Product Use Fire and Smoke Stop Self Levelled 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 |
| Water | 7732-18-5 | < 35 | N/A | N/A | N/E | N/E |
| Vinyl Acetate Polymers | 25067-01-0 | < 30 | N/A | N/A | N/A | N/A |
| Additives | N/A | < 5 | N/A | N/A | N/A | N/A |
| Vinyl Acetate Monomer | 108-05-4 | < 0.1 | 11400 mg/m ³ /4H | 2900 mg/Kg | 10 ppm | N/A |
| Iron Red Oxide ⁽¹⁾ | 1309-37-1 | < 1 | N/A | N/A | N/A | N/A |

PHYSICAL PROPERTIES

| | | | |
|--|-----------------------|---------------------------------|-------------|
| Appearance / Physical State | Red, viscous compound | Specific Gravity (@25°C) | 1.20 – 1.50 |
| Odour | Mild odour | Evaporation Rate | < 1 |
| Odour Threshold | Slight aromatic odour | Boiling Point (°C) | > 100 |
| Vapour Pressure (mm Hg) | 17.35 | Freezing Point (°C) | 0 |
| Vapour Density (Air = 1) | of Water vapour | pH | 8.0 - 10.0 |
| Coefficient of H₂O/Oil Distrib | Not determined | VOC contents (g/L) | 26.0 |

FIRE AND EXPLOSION DATA

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| 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

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|---|---|
| Stability | Stable under normal storage conditions |
| 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

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| 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

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| Eye Contact | Flush eyes with large quantities of water for 15 minutes and get medical attention. |
| Skin Contact | Wash with soap and water immediately. |
| Inhalation | Remove affected person away from source of exposure to fresh air and get medical attention IMMEDIATELY. |
| Ingestion | Get medical attention IMMEDIATELY. |

PREVENTIVE MEASURES

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| Engineering Controls | General ventilation is recommended during normal use. |
| Personal Protective Equipment | Not required 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 protection is not normally required. Use a NIOSH/MSHA approved respirator if conditions warrant. |
| Other | |

PRECAUTION FOR SAFE HANDLING AND USE

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| Handling Procedure and Equipment | N/A |
| Storage Requirement | Material should be kept in original closed container 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 regulations. |
| Special Shipping Instructions | DO NOT FREEZE |

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**MSDS - 4100SL****REGULATION INFORMATION**

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|-----------------------|--|
| 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

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|----------------------------|---|
| Prepared by | Chemical Laboratory, Passive Fire Protection Partners |
| Date of Issue | January 03, 2003 |
| Telephone | (604) 515-1788 |
| Website | www.firestop.com |
| Reason for Revision | Formulation reviewing, rev 001, March 22, 2003 New format of MSDS, rev 002, September 10, 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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