



Spartan Chemical Company, Inc. Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

CONCRETE SEAL

Product Number: 2977

Product Division:

Janitorial

Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Flammable liquids, n.o.s., 3, UN 1993, III, (contains petroleum distillates)

| NFPA Ratings: | HMIS Ratings: |
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| Health: 2 - Moderate Fire: 2 - Moderate Reactivity: 0 - Minimal | Health: *2 - Moderate; Chronic Hazard Fire: 2 - Moderate Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII |

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

| Chemical Name(s) | %Wt | CAS Registry No. | Table Z-1-A | | | NTP, IARC or OSHA Carcinogen |
|-------------------------|-------|------------------|-----------------------|------------------------|---------------------------|------------------------------|
| | | | TWA mg/m ³ | STEL mg/m ³ | CEILING mg/m ³ | |
| *1,2,4-Trimethylbenzene | 25-30 | 95-63-6 | 125 | Not Established | Not Established | No |
| Acrylic polymer | 15-20 | Proprietary | Not Established | Not Established | Not Established | No |
| *Xylene | 1-5 | 1330-20-7 | 435 | 655 | Not Established | No |
| Cumene | 1-5 | 98-82-8 | 245 | Not Established | Not Established | No |
| Aromatic hydrocarbon | 45-55 | 64742-95-6 | 100 | Not Established | Not Established | No |
| | | | (ExxonMobile) | | | |

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

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| Boiling Point: 311 °F | Vapor Pressure: 2.7 mm Hg @ 20°F |
| Vapor Density (AIR = 1): >1 | Solubility in Water: Nil |
| pH: N/A | Specific Gravity (H ₂ O=1): 0.90 |
| Evaporation Rate (but.ace.=1): 0.19 | Percent Solid by Weight: 15-20 |
| Physical State: Liquid | |
| Appearance & Odor: Water clear, slightly viscous, aromatic | |

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

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| Flash Point: 107°F | Method Used: ASTM-D56 |
| Flammable Limits: LEL - 1.0 UEL - 6.5 | Flame Extension: N/A |
| Extinguishing Media: Small Fires: extinguish with dry chemical, CO ₂ , or foam. Large Fires: The use of dry chemical or foam is recommended. Water may be an ineffective extinguishing agent. | |
| Special Fire Fighting Procedures: The use of a SCBA is recommended for fire fighters. Water may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes. | |
| Unusual Fire & Explosive Hazards: This material is combustible and may be ignited by heat or flame. This material will burn, but not ignite readily. | |

SECTION V: HEALTH HAZARD DATA

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| SECTION V: HEALTH HAZARD DATA | | Primary Routes of Entry: Inhalation, Skin Contact, Eyes | |
| Threshold Limit Value: | Not established | | |
| Effects of Overexposure- Conditions to Avoid: | Causes Eye irritation: Direct contact with the liquid or exposure to its vapors or mists may cause burning, tearing, redness and swelling. May Cause Skin Irritation: Prolonged or repeated exposure to this material may cause redness and burning, drying and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Inhalation: Breathing high concentrations of vapors or mists may cause irritation of the nose and throat, signs of nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Prolonged or repeated exposure to vapors or mists may cause liver and kidney damage. Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties due to the irritant properties of this material. Harmful if Swallowed: Ingestion may cause irritation of the digestive tract and signs of nervous system depression (e.g. drowsiness, dizziness, loss of coordination, and fatigue). Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. | | |
| Conditions Aggravated by Use: | Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis. | | |
| Emergency & First Aid Procedures : | | | |
| Eyes: | Move victim away from exposure to vapors and into fresh air. Remove contact lenses. If irritation or redness develops; seek medical attention. For direct contact; flush the affected eye(s) with clean water for at least 15 minutes. Seek medical attention. | | |
| Skin: | Removed contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists; seek medical attention. | | |
| Ingestion: | Call physician immediately. Do not induce vomiting. Keep person at rest. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury. | | |
| Inhalation: | If symptoms of exposure develop; move victim away from source of exposure and into fresh air. If symptoms persist; seek immediate medical attention. If victim is not breathing; artificial respiration should be administered. If breathing difficulties develop; oxygen should be administered by qualified personnel. | | |

SECTION VI: REACTIVITY DATA

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| Stability: | Stable | Incompatible Materials: | This product is incompatible with strong acids or bases; oxidizing agents and selected amines. |
| Hazardous Decomposition Products: | CO, CO ₂ | Hazardous Polymerization: | Will Not Occur |

SECTION VII: SPILL OR LEAK PROCEDURES

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| Steps to be Taken in Case | |
| Material is Released or Spilled: | Pick up with absorbent material and dispose of in accordance with state and local regulations. |
| Waste Disposal Method: | Use qualified disposal service. |

SECTION VIII: SPECIAL PROTECTION INFORMATION

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| Respiratory Protection: | The use of respiratory protection is advised when concentrations exceed the established exposure limits (see Section II), additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, systems safe for such locations should be used. |
| Ventilation: | Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations. |
| Protective Gloves(Specify Type): | Wear neoprene, nitrile or other solvent resistant gloves. |
| Eye Protection(Specify Type): | Splash Goggles |
| Other Protective Equipment: | Use of other protective equipment such as an impermeable apron should be considered in order to prevent or minimize contact with this product. See 29 CFR 1910.132-138 for further guidance. |

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing: Keep containers tightly closed. Keep containers cool; dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize; cut; weld; braze; solder; drill; grind or expose such containers to heat; flame;

sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained; properly bunged and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this product; refer to Occupational Safety and Health Administration regulations; ANSI Z49.1; and other governmental and industrial references pertaining to cleaning; repairing; welding or other contemplated operations.

Other Precautions: During use; eliminate any source of ignition. Remove all foodstuffs and packaging materials from area to be coated.

© SCC 03/28/2012

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CONCRETE SEAL

Effective Date: 03/28/2012

Supercedes: 06/08/2009

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Correct Shipping Description

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