

Material Safety Data Sheet

Section 1 – Product Identification

Product Name: Martin's Permethrin 1.0%
Synergized Pour-On

EPA Registration #: 53883-75

Manufacturer: Control Solutions Inc.
5903 Genoa- Red Bluff
Pasadena, TX 77507
281-892-2500

EPA Establishment #: 53883-TX-002

Section 2 – Chemical Composition

| Material | CAS # | % by Weight | OSHA PEL/ACGIH TLV |
|--------------------|------------|-------------|--------------------------------|
| Permethrin | 52645-53-1 | 1.0% | None Established |
| Piperonyl Butoxide | 51-03-06 | 1.0% | None Established |
| Inert Ingredients | - | 98.0% | 5 mg/m ³ (oil mist) |

Section 3 – Hazard Identification

Symptoms of Toxicity: Neurotoxic effects including staggering gait, muscle tremors and convulsions.

Flammability: Combustible.

Reactivity: Stable under normal storage conditions.

Carcinogenicity: Not carcinogenic.

Section 4 – First Aid

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Move person to fresh air. If person is not breathing, give artificial respiration. Call a poison control center for further treatment advice.

Ingestion: Call poison control center immediately for treatment advice. Do not induce vomiting unless directed to do so by a poison control center. Do not give anything by mouth to an unconscious person.

Dermal Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center for treatment advice if irritation persists.

Notes/Physician's Information: Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.

Section 5 – Fire and Explosion Hazards

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| Flash Point: | 165°F | Upper Flammability Limit: | N/A |
| Extinguishing Media: | Foam, dry chemical, CO ₂ , water fog | Lower Flammability Limit: | N/A |
| Special Procedures: | Use SCBA with full-face piece and protective clothing. | | |
| Unusual Fire Hazards: | Possible toxic smoke, vapors, fallout and runoff water can result from fires. | | |
| Reactivity/Stability: | Stable under normal conditions. Combustion products include CO ₂ , CO, and NO _x . Hazardous polymerization will not occur. | | |

Section 6 – Spill/Release Procedures

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| Absorbent: | Universal or oil-only absorbent pads, vermiculite, absorbent booms, or clay granules. |
| Containment: | Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible. |
| Waste Disposal: | Dispose of contaminated material in municipal land fill or through licensed TSDF. Not a hazardous waste under RCRA, 40 CFR 261. |
| Reporting: | Report all major spills and uncontrolled releases to proper local, state, and federal agencies. |
| Emergency Contact #: | Chemtrec: 1-800-424-9300 |

Section 7 – Storage and Handling Instructions

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| Storage Conditions: | Do not store near foodstuffs or feed. Store in a cool, dry, well-ventilated area away from flammable materials and sources of heat. Keep away from oxidizing agents and alkaline material. |
| Special Handling Considerations: | Exercise caution to prevent damage to or leakage from the container. Workers should follow good hygiene practices to avoid accidental ingestion. |
| Container Disposal: | Do not reuse empty containers. Triple rinse (or equivalent), then offer for recycling or render unusable and dispose of in municipal landfill or with licensed TSDF. |

Section 8 – Protective Equipment/Engineering Controls

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| Eye Protection: | None required. |
| Respiratory Protection: | None required. |
| Dermal Protection: | Gloves, long sleeves, pants and shoes. |
| Engineering Controls: | Use only in adequately ventilated areas. |

Section 9 – Physical Data

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| Odor: | Mild petroleum | Melting Point: | N/A |
| Physical State: | Liquid | Flash Point: | 171°F |
| Color: | Light amber | Specific Gravity: | 0.864 (g/ml) |
| Bulk Density: | 7.2 (lbs/gal) | pH: | N/A |
| Vapor Pressure: | N/A | Water Solubility: | Negligible |
| Viscosity: | N/A | Refractive Index: | N/A |

Section 10 – Toxicity

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| EPA Toxicity Category: | “Caution” | Oral LD ₅₀ : | > 500 mg/kg |
| Skin Contact: | Mild irritant | Dermal LD ₅₀ : | > 1000 mg/kg |
| Eye Contact: | Irritant | Inhalation LC ₅₀ : | > 10 mg/L |
| HMIS/NFPA Classification: | Fire - 1 Health - 1 Reactivity - 0 Special - none | Fire - 1 Health - 1 Reactivity - 0 | |
| Other Comments: | Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking. | | |

Section 11 – Ecological Data

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| Aquatic: | LC ₅₀ (96h) for rainbow trout: 2.5 ug/L (permethrin) LC ₅₀ (96h) for Bluegill: 1.8 ug/L (permethrin) |
| Avian: | LD ₅₀ Bobwhite quail- >10,000 mg/kg (permethrin) |
| Bioaccumulation: | Will not bioaccumulate. |
| Summary: | This product is extremely toxic to fish. Do not apply directly to water. Drifts and runoff from treated areas may be hazardous to aquatic organisms in treated areas. |

Section 12 – Transportation

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| DOT: | Bulk: UN3082, Environmentally hazardous substance, liquid, n.o.s. (1.0% permethrin), Class 9, PG III, marine pollutant |
| IATA: | Not regulated |
| IMDG: | UN3082, Environmentally hazardous substance, liquid, n.o.s. (3.2% permethrin), Class 9, PG III, marine pollutant |
| Federal Motor Carrier Classification: | Insecticide, liquid, N.O.I.B.N. |

Section 13 – Regulatory

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| Section 302/TPQ: (emergency planning) | Not regulated under section 302. |
| Section 304/EHS RQ: (release notification) | Not regulated under section 304. |
| CERCLA RQ: (release notification) | Not regulated under CERCLA. |
| Section 311/Tier II: (MSDS submission) | Acute health hazard. Chronic health hazard. Fire hazard. |
| Section 313/TRI Chemicals: | 1.0% permethrin, CAS: 52645-53-1 1.0% piperonyl butoxide, CAS: 51-03-06 |
| RCRA Haz-Waste Code(s): | Not an RCRA hazardous waste. |
| CAA TQ: (air emissions) | Not regulated under the CAA. |

Section 14 – Other

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

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