

Safety Data Sheet

Section 1 – Product Identification

Product Name:	Martin's ® Permethrin 1.0% Pour-On	EPA Registration #:	53883-76
Manufacturer:	Control Solutions Inc. 5903 Genoa- Red Bluff Pasadena, TX 77507 281-892-2500	EPA Establishment #:	53883-TX-002
Recommended Usage:	Apply only as directed by product label.		
Restrictions:	Refer to product label for usage restrictions.		

Section 2 – Hazard Identification

Health:	Harmful if swallowed. Permethrin is a neurotoxin. Exposure may produce symptoms of neurotoxicity. Refer to Section 11 .
Environmental:	Permethrin is considered acutely toxic to aquatic life. Permethrin has low avian toxicity. Refer to Section 12 .
Physical:	Combustible liquid.
Unclassified:	None.
GHS Classification:	<ul style="list-style-type: none"> • Environmental toxicity: Acute Aquatic, Category 1 (severe). • Carcinogenicity: Category 2 (suspected). • Eye irritation: Category 2B (mild). • Flammable liquid: Category 4 (mild).

Section 3 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL
Permethrin	52645-53-1	1.0%	None established
Inert Ingredients	-	98.0%	Oil mist: 5 mg/m ³ Petroleum solvent: 2900 mg/m ³

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.

Section 4 – First Aid (continued from page 1)

Physician's Information:	You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.
Notes:	Refer to Section 11 for symptoms of overexposure.

Section 5 – Firefighting Measures

Flash Point:	172°F
Extinguishing Media:	Water fog, CO ₂ , foam, dry chemical.
Procedures:	Use self-contained breathing apparatus. Cool fire exposed areas and equipment.
Unusual Fire Hazards:	Pesticide fires have potential to emit hazardous decomposition products. Refer to Section 10 for more information.

Section 6 – Accidental Release Measures

Absorbent Materials:	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:	Sweep contaminated absorbent material into suitable container. Seal container and dispose of all contaminated waste material in municipal land-fill or through licensed TSD. Open dumping is prohibited. Not an RCRA hazardous waste.
Reporting:	Report all major spills and uncontrolled releases to proper local, state, and federal agencies.
Emergency Contact #:	Chemtrec: 1-800-424-9300

Section 7 – Handling and Storage Instructions

Storage Conditions:	Store upright at room temperature. Avoid exposure to extreme temperatures. Do not store near heat or open flame. Store away from foodstuffs, feed, and children.
Special Handling Considerations:	Avoid dermal contact. Take precautions to avoid damaging containers. Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking. Clean water should be available to rinse eyes and skin in case of chemical exposure.

Section 8 – Engineering Controls and Protective Equipment

Engineering Controls:	Use only in adequately ventilated areas.
Eye Protection:	ANSI approved goggles or safety glasses with side shields are recommended.
Respiratory Protection:	None likely to be needed. NIOSH approved P class filtering face piece or respirator may be used to minimize inhalation of aerosols.
Dermal Protection:	Chemical resistant gloves, long sleeves, pants, shoes with socks.
Other Precautions:	Clean water should be available to rinse eyes and skin in case of chemical exposure. Wash thoroughly after handling. Remove and wash clothing before reuse.

Section 9 – Physical and Chemical Properties

Odor:	Mild petroleum.	Melting Point:	Not determined.
Physical State:	Liquid.	Flash Point:	See Section 10.
Color:	Light amber.	Specific Gravity:	0.864 g/ml
Bulk Density:	7.2 lbs/gal	pH:	Not determined.
Vapor Pressure:	Not determined.	Water Solubility:	Negligible.
Viscosity:	Not determined.	Refractive Index:	Not determined.

Section 10 – Stability and Reactivity

Flash Point:	172°F
Lower Flammability Limit:	Not determined.
Upper Flammability Limit:	Not determined.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	May release irritating and toxic gases due to thermal decomposition. Products of combustion include cyanide, CO, and CO ₂ .
Conditions to Avoid:	Stable under normal storage conditions. Avoid exposure to extreme temperatures.
Incompatible Materials:	Strong oxidizers.

Section 11 – Toxicity and Symptoms of Overexposure

Routes of Exposure:	Dermal, eye, inhalation, ingestion.
Skin Contact:	Slightly irritating. Permethrin may cause tingling sensation known as paresthesia. Symptoms for permethrin are reversible within 48 hrs.
Eye Contact:	Slightly irritating. May cause redness and tearing. Symptoms for permethrin reversible within 72 hrs.
Ingestion:	Permethrin is a neurotoxin. Ingestion may induce neurotoxic symptoms including diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity to touch or sound.
Inhalation:	May cause nasal or respiratory irritation.
Oral LD ₅₀ :	>500 mg/kg
Dermal LD ₅₀ :	>1000 mg/kg
Inhalation LC ₅₀ :	>10 mg/kg
Carcinogenicity:	<ul style="list-style-type: none">• IARC: Group 3 (not carcinogenic)• EPA: Group C (possible carcinogen)• GHS: Category 2 (suspected carcinogen)
Teratogenicity:	Not a teratogen.
Embryo toxicity:	None.
Reproductive Effects:	None.
Mutagenicity:	None.
Other Chronic Effects:	None.

Section 12 – Ecological Data*

Aquatic: (Permethrin)	LC ₅₀ (96h) for rainbow trout: 2.5 ug/L LC ₅₀ (96h) for Bluegill: 1.8 ug/L
Avian: (Permethrin)	LD ₅₀ Bobwhite quail- >10,000 mg/kg
Bioaccumulation:	Unlikely to bioaccumulate due to acute toxicity.
Environmental Fate:	The average half-life of permethrin in aerobic soils is 39.5 days, with a range from 11.6 to 113 days. Permethrin binds tightly to soil and is broken down primarily by microorganisms, but also by photolysis.
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 13 – Disposal Considerations*

Pesticide Disposal:	Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for Guidance.
Container Disposal:	Nonrefillable container: Do not reuse or refill this container. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. If partly filled: Call your local solid waste agency for disposal instructions. Unless otherwise instructed, place in trash. Never pour unused product down the drain or on the ground.

Section 14 – Transportation*

DOT:	Non-bulk: Not regulated. Bulk: NA1993, combustible liquid, n.o.s. (contains petroleum distillates), PG III
IATA:	UN3082, Environmentally hazardous substance, liquid, n.o.s. (1% permethrin), Class 9, PG III
IMDG:	UN3082, Environmentally hazardous substance, liquid, n.o.s. (1% permethrin), Class 9, PG III, marine pollutant
Federal Motor Carrier Classification:	Insecticide, liquid, N.O.I.B.N.

Section 15 – Regulatory*

Section 302/TPQ: (emergency planning)	Contains no components listed under section 302.
Section 304/EHS RQ: (release notification)	Contains no components listed under section 304.
CERCLA RQ: (release notification)	Not regulated by CERCLA.

Section 15 – Regulatory* (continued from page 4)

Section 311/Tier II: Acute health hazard, delayed health hazard, fire hazard.
(MSDS submission)
Section 313/TRI 1.0% Permethrin, CAS - 52645-53-1.
Chemicals: 0.12 % 1,2,4 – trimethylbenzene
RCRA Haz-Waste Code(s): Not an RCRA hazardous waste.
CAA TQ: Contains no components regulated by the Clean Air Act.
(air emissions)
EPA/FIFRA Toxicity
Category: III
EPA Signal Word: CAUTION
State Specific
Regulations: Not established.
International Regulations: Not established.

Section 16 – Other

HMIS/NFPA Classification: Fire - 1 Health - 1
Reactivity - 0 Special – none
Date of Last Revision: October 4, 2011
Training Necessary: Yes.

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.

DISCLAIMER

The information provided on this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Control Solutions, Inc. The data on this sheet relates only to the specific material designated herein. Control Solutions, Inc. assumes no legal responsibility for the accuracy or completeness of this data, nor for use or reliance upon this data.

*Section is not required by 29 CFR 1910.1200 the Hazcom standard, but is provided for compliance with United Nations Globally Harmonized System (GHS).