

Safety Data Sheet

Section 1 – Product Identification

Product Name: Martin's Viper RTU EPA Registration #: 4-393-53883
Manufacturer: Control Solutions Inc. EPA Establishment #: 53883-TX-002
5903 Genoa- Red Bluff
Pasadena, TX 77507
281-892-2500
Recommended Usage: Apply only as directed by product label.
Restrictions: None

Section 2 – Hazard Identification

Health: Permethrin is a neurotoxin. Exposure may produce symptoms of neurotoxicity. Refer to **Section 11**.
Environmental: Permethrin is considered acutely toxic to aquatic life. Bifenthrin has low avian toxicity. Refer to **Section 12**.
Physical: None.
Unclassified/Misc: None.
GHS Classification: Eye irritation: Category 2.
Carcinogen: Category 1B, "likely human carcinogen".

Section 3 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL/ACGIH TLV
Permethrin Tech	52645-53-1	0.25%	None established
Inert Ingredients	-	99.75%	None established

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.
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:	Not flammable.
Extinguishing Media:	Water fog, CO ₂ , foam, dry chemical.
Procedures:	Use self-contained breathing apparatus. Cool fire exposed areas and equipment.
Unusual Fire Hazards:	Chemical fires have potential to emit hazardous decomposition products. Refer to Section 10 for more information.

Section 6 – Accidental Release Measures

Absorbent Materials:	Universal absorbent pads, vermiculite, or clay granules.
Containment:	Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.
Waste Disposal:	Dispose of 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:	Do not store near feed, food, or within the reach of children. Containers should be stored in a cool, dry, well-ventilated area.
Special Handling Considerations:	Exercise caution to prevent damage to or leakage from the containers.

Section 8 – Engineering Controls and Protective Equipment

Engineering Controls:	Use only in adequately ventilated areas.
Eye Protection:	Avoid contact.
Respiratory Protection:	None likely to be needed.
Dermal Protection:	Avoid contact.
Other Precautions:	Wash thoroughly after handling. Remove and wash clothing before reuse.

Section 9 – Physical and Chemical Properties

Odor:	Slight chemical	Melting Point:	Not established.
Physical State:	Liquid	Flash Point:	See Section 10.
Color:	Translucent yellow to white.	Specific Gravity:	1.01 (g/ml)
Bulk Density:	8.29 (lbs/gal)	pH:	6.0-8.0
Vapor Pressure:	Not established.	Water Solubility:	Emulsifies.
Viscosity:	Not established.	Refractive Index:	Not established.

Section 10 – Stability and Reactivity

Flash Point:	Will not burn.
Lower Flammability Limit:	Not applicable.
Upper Flammability Limit:	Not applicable.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	May release irritating and toxic gases due to thermal decomposition.
Conditions to Avoid:	Avoid storing at 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 parasthesia.
Eye Contact:	Slightly irritating.
Ingestion:	Permethrin 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 :	>300 mg/kg
Dermal LD ₅₀ :	>1000 mg/kg
Inhalation LC ₅₀ :	>10 mg/kg
Carcinogenicity:	Category 1B, “likely human carcinogen” due to animal studies.
Teratogenicity:	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:	Permethrin is unlikely to accumulate due to high 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:	Container Disposal: If empty - 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:	Not regulated.
IATA:	Not regulated.
IMDG:	Not regulated.
FMCC:	Insecticide, liquid, other than agricultural NOIBN.

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 311/Tier II: (MSDS submission)	Acute health hazard.
Section 313/TRI Chemicals:	0.25% permethrin, CAS - 52645-53-1
RCRA Haz-Waste Code(s):	None
CAA TQ: (air emissions)	None
EPA/FIFRA Toxicity Category:	Category 4.
EPA Signal Word:	Caution.
State Specific Regulations:	None
International Regulations:	None

Section 16 – Other

HMIS/NFPA Classification:	Fire - 0	Health - 1
	Reactivity - 0	Special - none
Date of Last Revision:	July 22, 2011	
Training Necessary:	No.	

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