

Safety Data Sheet

Section 1 – Product Identification

Product Name:	Martin's ® Viper Insecticide Concentrate	EPA Registration #:	53883-27
Manufacturer:	Control Solutions Inc. 5903 Genoa- Red Bluff Pasadena, TX 77507 281-892-2500	EPA Establishment #:	53883-TX-002
Recommended Usage:	Refer to label for product usage and application instructions.		
Restrictions:	Refer to label for product restrictions.		

Section 2 – Hazard Identification

Health:	Cypermethrin is a neurotoxin. Exposure may produce symptoms of neurotoxicity. Refer to Section 11 .
Environmental:	Cypermethrin is considered acutely toxic to aquatic life. Cypermethrin has low avian toxicity. Refer to Section 12 .
Physical:	Combustible liquid. Will burn if heated above 164°F
Unclassified:	None.
GHS Classification:	<ul style="list-style-type: none"> • Environmental toxicity: Acute Aquatic, Category 1 (severe). • Carcinogenicity: Category 2 (suspected). • Flammable Liquid: Category 4 (mild). • Acute Toxicity: Category 4 (mild). • Eye irritation: Category 2 (mild).

Section 3 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL/ACGIH TLV
Cypermethrin	52315-07-8	25.4%	None Established
Inert	-	74.6%	Petroleum Solvent: 500 ppm (OSHA)

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 soap and 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: 164°F
Extinguishing Media: Foam, CO₂, dry chemical, water fog.
Procedures: Use SCBA and full protective (bunker) clothing. Use water spray or fog to cool fire-exposed areas.
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: Dispose of contaminated material through municipal landfill or 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.
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: Use goggles, face shield or safety glasses.
Respiratory Protection: None required. Avoid breathing spray.
Dermal Protection: Use chemical resistant gloves, long sleeves and pants.

Section 9 – Physical and Chemical Properties

Odor:	Aromatic hydrocarbon	Melting Point:	Not available.
Physical State:	Liquid	Flash Point:	See Section 10.
Color:	Dark amber	Specific Gravity:	1.007 (g/ml).
Bulk Density:	8.24 (lbs/gal)	pH:	3.98
Vapor Pressure:	Not available.	Water Solubility:	Emulsifies.
Viscosity:	Not available.	Refractive Index:	Not available.

Section 10 – Stability and Reactivity

Flash Point:	164°F.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	Products of combustion include cyanide, CO, and CO ₂ .
Conditions to Avoid:	Stable under normal storage conditions. Avoid storing at extreme temperatures.
Incompatible Materials:	Strong oxidizers.

Section 11 – Toxicity and Symptoms of Overexposure

Routes of Exposure:	Dermal, inhalation, eye, ingestion.		
Skin Contact:	Mild to moderate irritant; may cause a tingling sensation known as parasthesia.		
Eye Contact:	Mild to moderate irritant; may cause redness and tearing.		
Ingestion:	Cypermethrin 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 :	1000.03 mg/kg		
Dermal LD ₅₀ :	>5000 mg/kg		
Inhalation LC ₅₀ :	>2.06 mg/L		
Carcinogenicity:	Class C (suspected).	Reproductive Effects:	None.
Teratogenicity:	Not a teratogen.	Mutagenicity:	None.
Embryo toxicity:	None.	Other Chronic Effects:	None.

Section 12 – Ecological Data*

Aquatic:	Cypermethrin: 0.004 ug/L to 3.6 ug/L
Avian:	Cypermethrin: 10,248 mg/kg
Bioaccumulation:	Unlikely to bioaccumulate due to high acute toxicity.
Environmental Fate:	Cypermethrin is rapidly degraded in soil with a half-life of 2 to 4 weeks.
Summary:	This product is highly toxic to fish and other aquatic organisms. 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, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.☒
Container Disposal:	<p>For Containers equal to or less than 5 Gallons : Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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.</p> <p>For Containers greater than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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.</p> <p>For Bulk containers: (Refillable Container) Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.</p>

Section 14 – Transportation*

DOT:	Non bulk: Not regulated. Bulk: NA1993, combustible liquid, n.o.s. (contains petroleum distillates, 25.4% cypermethrin), Class 3, PG III
IATA:	UN3082, Environmentally hazardous substance, n.o.s. (25.4% cypermethrin), Class 9, PG III
IMDG:	UN3082, Environmentally hazardous substance, n.o.s. (25.4% cypermethrin), Class 9, PG III, marine pollutant

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, delayed health hazard, fire hazard.
Section 313/TRI Chemicals:	25.4% cypermethrin, CAS - 52315-07-8
RCRA Haz-Waste Code(s):	None.
CAA TQ: (air emissions)	None.
EPA/FIFRA Toxicity Category:	II
EPA Signal Word:	WARNING
State Specific Regulations:	N/A
International Regulations:	N/A

Section 16 – Other

HMIS/NFPA Classification:	Fire – 1	Health - 1
	Reactivity - 0	Special - none
Date of Last Revision:	August 1, 2011	
Hazcom 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

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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).