Safety Data Sheet

Section 1 – Product Identification			
Product Name:	Martin's Viper Insect Dust	EPA Registration #:	53883-33
Manufacturer:	Control Solutions Inc. 5903 Genoa- Red Bluff Pasadena, TX 77507 281-892-2500	EPA Establishment #:	44616-MO-1
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:	Dust particles may form combustible or explosive mixtures with air when agitated.
Unclassified/Misc:	None.
GHS Classification:	Eye irritation: Category 2. Carcinogen: Permethrin is a Category 1B or "likely human" carcinogen.

Section 3 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL/ACGIH TLV
Permethrin	52645-53-1	0.25%	None Established
Inert Ingredients	-	99.75%	OSHA: 5-15 mg/m^3 Nuisance dust

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 applicable. Treat as combustible dust.
Extinguishing Media:	Foam, dry chemical, CO_2, water fog.
Procedures:	Use SCBA with full-face piece and protective clothing.
Unusual Fire Hazards:	Chemical fires have potential to emit hazardous decomposition products. Dusts may form explosive mixtures with air when disturbed. Refer to **Section 10** for more information.

Section 6 – Accidental Release Measures

Absorbent Materials:	Sweep up spilled material and dispose of in municipal landfill. Rinse contaminated material with water and absorb with clay granules or universal absorbent pads.
Containment:	Do not discharge waste 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 – Handling and Storage Instructions

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 cross contamination and accidental ingestion. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking.

Section 8 – Engineering Controls and Protective Equipment

Engineering Controls:	None required. ANSI approved safety goggles or glasses with side shields are recommended.
Eye Protection:	None required. Use NIOSH approved air purifying respirator or filtering face piece with N or P class filter.
Respiratory Protection:	Gloves, long sleeves, pants and shoes.
Dermal Protection:	Use only in adequately ventilated areas.

Section 9 – Physical and Chemical Properties

Odor:	Mild characteristic.	Melting Point:	N/A
Physical State:	Solid.	Flash Point:	Combustible dust.
Color:	Opaque off-white.	Specific Gravity:	See bulk density.
Bulk Density:	50 lbs per ft^3.	pH:	N/A
Vapor Pressure:	N/A	Water Solubility:	Slightly soluble.
Viscosity:	N/A	Refractive Index:	N/A

Section 10 – Stability and Reactivity

Flash Point:	Not applicable. Treat as combustible dust.
Lower Flammability Limit:	Not applicable.
Upper Flammability Limit:	Not applicable.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	Cyanide, carbon monoxide, and carbon dioxide.
Conditions to Avoid:	Keep away from flammable materials and sources of heat
Incompatible Materials:	Keep away from oxidizing agents and alkaline material.

Section 11 – Toxicity and Symptoms of Overexposure

Routes of Exposure:	Dermal, inhalation, eyes, ingestion.
Skin Contact:	Slightly irritating. Permethrin may cause tingling sensation known as parasthesia.
Eye Contact:	Slightly irritating. May cause redness and tearing.
Inhalation:	May cause nasal or respiratory irritation.
Ingestion:	Permethrin may induce neurotoxic symptoms including diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity to touch or sound.
Oral LD_{50}:	>500 mg/kg
Dermal LD_{50}:	>5000 mg/kg
Inhalation LC_{50}(4 hour):	>2.31 mg/l (4 hour)
Carcinogenicity:	Category 1B, “likely human carcinogen”.
Teratogenicity:	Not a teratogen.
Embryo toxicity:	None.
Reproductive Effects:	None.
Mutagenicity:	Not a mutagen.
Other Chronic Effects:	None.

Section 12 – Ecological Data*

Aquatic:	Permethrin: LC_{50} (96h) for rainbow trout: 2.5 ug/L Permethrin: LC_{50} (96h) for Bluegill: 1.8 ug/L
Avian:	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:	**If empty:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Do not rinse unless required for recycling. 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. Never pour unused product down any indoor or outdoor drain.

Section 14 – Transportation*

DOT:	Not regulated.
IATA:	UN3082, Environmentally hazardous substance, liquid, n.o.s. (13% bifenthrin), Class 9, PG III
IMDG:	UN3082, Environmentally hazardous substance, liquid, n.o.s. (13% bifenthrin), 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.
Section 313/TRI Chemicals:	0.25% permethrin, CAS - 52645-53-1.
RCRA Haz-Waste Code(s):	None.
CAA TQ: (air emissions)	None.
EPA Signal Word:	CAUTION

Section 16 – Other

HMIS/NFPA Classification:	Fire - 0	Health - 1
	Reactivity - 0	Special - none
Date of Last Revision:	8/1/2011	
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.

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).