

Material Safety Data Sheet

Section 1 – Product Identification

Product Name: PYSTOL™ Misting Concentrate EPA Registration #: 53883-243

Manufacturer: Control Solutions Inc. EPA Establishment #: 53883-TX-002
 5903 Genoa- Red Bluff
 Pasadena, TX 77507
 281-892-2500

Section 2 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL/ACGIH TLV
Pyrethrins	8003-34-7	0.55%	OSHA: 5 mg/m ³
Permethrin	52645-53-1	1.10%	None established
Piperonyl Butoxide	51-03-06	5.50%	None established
Inert	-	92.85%	None established

Section 3 – Hazard Identification

Symptoms of Toxicity: Pyrethroids are neurotoxins and may produce symptoms including staggering gait, muscle tremors and convulsions.

Flammability: Not flammable.

Reactivity: Stable under normal conditions.

Carcinogenicity: No evidence of carcinogenicity in long term animal studies.

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 or doctor. Do not give anything by mouth to an unconscious person.

Dermal Contact: Take off contaminated clothing. Rinse skin immediately with soap and 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. You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.

Section 5 – Fire and Explosion Hazards

Flash Point:	Will not flash.	Upper Flammability Limit:	N/A
Extinguishing Media:	Foam, dry chemical, or CO ₂	Lower Flammability Limit:	N/A
Special Firefighting 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:	Toxic and irritating gasses may form when burned or heated. Hazardous polymerization will not occur.		

Section 6 – Spill/Release Procedures

Absorbent:	Universal absorbent pads and booms, 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 contaminated material in municipal land fill or through licensed TSDF. Not a hazardous waste under RCRA, 40 CFR 261.		
Reporting:	Report all spills and uncontrolled releases >21 gallons to proper local, state, and federal agencies.		
Emergency Contact #:	Chemtrec: 1-800-424-9300		

Section 7 – Storage and Handling 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 or leakage from the container. Workers should follow good hygiene practices to avoid accidental ingestion. Keep away from children.		
Container Disposal ≤ 5 gallons:	Do not reuse empty containers. Clean promptly after emptying. Triple rinse as follows: 1) Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 2) Fill the container ¼ full with water a recap. 3) Shake for 10 seconds. 4) Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. 5) Drain for 10 seconds after the flow begins to drip. 6) Repeat this procedure two more times. Offer containers for recycling or render unusable and dispose of in municipal landfill or with licensed TSDF.		

Section 8 – Protective Equipment/Engineering Controls

Eye Protection:	ANSI approved safety goggles or glasses with side shields are recommended.		
Respiratory Protection:	When necessary, use OSHA approved air purifying respirator with combination OVAG and P100 cartridge.		
Dermal Protection:	Gloves, long sleeves, pants and shoes.		
Engineering Controls:	Use only in adequately ventilated areas.		

Section 9 – Physical Data

Odor:	Slight characteristic	Melting Point:	N/A
Physical State:	Liquid	Flash Point:	Will not flash
Color (G-W):	11, off-white	Specific Gravity:	1.019 g/ml
Bulk Density:	See specific gravity	pH:	N/A
Vapor Pressure:	N/A	Water Solubility:	Disperses in water
Viscosity:	N/A	Refractive Index:	N/A

Section 10 – Toxicity

EPA Toxicity Category:	III, "Caution" label required	Oral LD ₅₀ :	500-5000 mg/kg
Skin Contact:	Moderately irritating	Dermal LD ₅₀ :	2-20 g/kg
Eye Contact:	Mildly irritating	Inhalation LC ₅₀ :	2-20 mg/l (4 hour)
NFPA Classification:	Fire - 0 Reactivity - 0	Health - 1 Special - none	
Other Comments:	Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking.		

Section 11 – Ecological Data

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:	Unlikely to bioaccumulate due to acute toxicity.
Summary:	This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of wastes.

Section 12 – Transportation

DOT:	<21 gallons: Not regulated. >21 gallons: RQ, UN3082, Environmentally hazardous substance, liquid, n.o.s. (contains pyrethrins), Class 9, PG III
IATA:	>21 gallons: RQ, UN3082, Environmentally hazardous substance, liquid, n.o.s. (contains pyrethrins), Class 9, PG III
IMDG:	UN3082, Environmentally hazardous substance, liquid n.o.s (1.1% permethrin), Class 9, PG III, marine pollutant Note: RQ mark required if >21 gallons

Section 13 – Regulatory

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)	Pyrethrins: RQ = 1 pound. CAS #: 8003-34-7. RQ as a mixture = 181.82 lbs or 21 gallons.
Section 311/Tier II: (MSDS submission)	Acute health hazard.
Section 313/TRI Chemicals:	1.10% permethrin, CAS #: 52645-53-1 5.50% 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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