

Material Safety Data Sheet

Section 1 – Product Identification

Product Name: SynerPro™ PBO Insecticide Synergist
 EPA Registration #: 53883-258

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

Section 2 – Chemical Composition

Material	CAS #	% by Weight	OSHA PEL/ACGIH TLV
Piperonyl Butoxide	51-03-6	91.3%	None Established
Inert Ingredients	N/A	8.7%	None Established

Section 3 – Hazard Identification

Symptoms of Toxicity: May cause gastrointestinal effects, such as nausea, cramps, vomiting and diarrhea.

Flammability: Slightly combustible.

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. 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.

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:	>200°F	Upper Flammability Limit:	N/A
Extinguishing Media:	Foam, dry chemical, CO ₂ , water fog	Lower Flammability Limit:	N/A
Special 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. Hazardous polymerization will not occur.		

Section 6 – Spill/Release Procedures

Absorbent:	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 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 – 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 to or leakage from the container. Workers should follow good hygiene practices to avoid accidental ingestion.
Container Disposal:	Do not reuse empty containers. Triple rinse (or equivalent), then offer for recycling or render unusable and dispose of in municipal landfill or with licensed TSDF.

Section 8 – Protective Equipment/Engineering Controls

Eye Protection:	None required.
Respiratory Protection:	None required.
Dermal Protection:	Gloves, long sleeves, pants and shoes.
Engineering Controls:	Use only in adequately ventilated areas.
Other Precautions:	

Section 9 – Physical Data

Odor:	Pleasant licorice-like odor.	Melting Point:	N/A
Physical State:	Liquid	Flash Point:	>200°F
Color:	Pale amber.	Specific Gravity:	1.06 (g/ml)
Bulk Density:	- (lbs/gal)	pH:	5.0-6.0
Vapor Pressure:	N/A	Water Solubility:	Emulsifies
Viscosity:	N/A	Refractive Index:	N/A

Section 10 – Toxicity

EPA Toxicity Category:	“Caution”	Oral LD ₅₀ :	4840 mg/kg
Skin Contact:	Slightly irritating	Dermal LD ₅₀ :	>2104 mg/kg
Eye Contact:		Inhalation LC ₅₀ :	
HMIS/NFPA Classification:	Fire - Reactivity -	Health -	Fire - Reactivity -
Other Comments:	Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking.		

Section 11 – Ecological Data

Aquatic:	Rainbow Trout 96-hour LC50 - 6.12 ppm Bluegill Sunfish 96-hour LC50 - 5.37 ppm
Avian:	Mallard 5 day dietary LC50 >5,620 ppm Bobwhite Quail Oral LD50 >2,250 mg/kg

Bioaccumulation:

Summary:

Section 12 – Transportation

DOT:	Bulk: UN3082, Environmentally hazardous substance, liquid, n.o.s. (91% piperonyl butoxide), Class 9, PG III, marine pollutant
IATA:	Not regulated.
IMDG:	UN3082, Environmentally hazardous substance, liquid, n.o.s. (91% piperonyl butoxide), Class 9, PG III, marine pollutant
Federal Motor Carrier Classification:	Non-Bulk: INSECTICIDES; OTHER THAN POISON, NMFC ITEM 10120

Section 13 – Regulatory

Section 302/TPQ: (emergency planning)	Contains no chemicals regulated by Section 302.
Section 304/EHS RQ: (release notification)	Contains no chemicals regulated by Section 304.
CERCLA RQ: (release notification)	Not regulated by CERCLA.
Section 311/Tier II: (MSDS submission)	Health hazard: immediate.
Section 313/TRI Chemicals:	Piperonyl Butoxide (CAS# 51-03-6) (91.3%)
RCRA Haz-Waste Code(s):	None.
CAA TQ: (air emissions)	N/A.

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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