

Material Safety Data Sheet

Section 1 – Product Identification

Product Name: Sylo Insecticide EPA Registration #: 88746-2

Manufacturer: Inova Chemicals LLC
2739 Pasadena Blvd
Pasadena, TX 77502
713-473-3345

EPA Establishment #: 88746-TX-001

Section 2 – Chemical Composition

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

Section 3 – Hazard Identification

Symptoms of Toxicity: May produce symptoms of neurotoxicity including slurred speech, convulsions, and staggering gait.

Flammability: Combustible liquid. Will burn if heated.

Reactivity: Stable under normal storage conditions.

Carcinogenicity: Not carcinogenic.

Section 4 – First Aid

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Call poison control center for further treatment advice.

Ingestion: Call poison control center immediately. Do not induce vomiting unless directed by physician. Do not give anything by mouth to an unconscious person.

Dermal Contact: Wash contaminated area with soap and water for 15 minutes. Seek medical attention if irritation persists.

Notes/Physician's Information: You may also contact National Poison Control Center (800) 222-1222 for emergency medical treatment information.

Section 5 – Fire and Explosion Hazards

Flash Point:	164°F	Upper Flammability Limit:	N/A
Extinguishing Media:	Foam, CO ₂ , dry chemical, water fog	Lower Flammability Limit:	N/A
Special Procedures:	Use SCBA and full protective (bunker) clothing.		
Unusual Fire Hazards:	Combustible. Will form flammable vapors when heated.		
Reactivity/Stability:	Products of combustion include cyanide, CO, and CO ₂ .		

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 through municipal landfill or licensed TSDF. 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 #:	Pesticide Information Center: 1-800-858-7378

Section 7 – Storage and Handling Instructions

Storage Conditions:	Do not store near heat or open flame. Store away from foodstuffs, feed, and children.
Special Handling Considerations:	Avoid dermal contact. Take precautions to avoid damaging containers.
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:	ANSI-approved chemical goggles, face shield or safety glasses with side shields are recommended.
Respiratory Protection:	None required. Avoid breathing spray. Use NIOSH-approved P100 respirator if airborne concentrations exceed established limits.
Dermal Protection:	Use chemical resistant gloves, long sleeves and pants.
Engineering Controls:	Use only in adequately ventilated areas.
Other Precautions:	Clean water should be available to rinse eyes and skin in case of chemical exposure.

Section 9 – Physical Data

Odor:	Aromatic hydrocarbon	Melting Point:	N/A
Physical State:	Liquid	Flash Point:	164°F
Color:	Dark amber	Specific Gravity:	1.007 (g/ml)
Bulk Density:	8.24 (lbs/gal)	pH:	3.98
Vapor Pressure:	N/A	Water Solubility:	Emulsifies
Viscosity:	N/A	Refractive Index:	N/A

Section 10 – Toxicity

EPA Toxicity Category:	“Warning” label required	Oral LD ₅₀ :	1000.03 mg/kg
Skin Contact:	Moderate Irritant	Dermal LD ₅₀ :	>5000 mg/kg
Eye Contact:	Moderate Irritant	Inhalation LC ₅₀ :	>2.06 mg/L
HMIS/NFPA Classification:	Fire - 1 Health - 1 Reactivity - 0 Special - none	Fire - 1 Health - 1 Reactivity - 0 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:	Cypermethrin: 0.004 ug/L to 3.6 ug/L
Avian:	Cypermethrin: 10,248 mg/kg
Bioaccumulation:	Cypermethrin is rapidly degraded in soil with a half-life of 2 to 4 weeks. Does not bioaccumulate in aquatic systems due to acute toxicity.
Summary:	This product is highly toxic to fish and other aquatic organisms.

Section 12 – Transportation

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

Section 13 – 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, fire hazard.
Section 313/TRI Chemicals:	25.4% cypermethrin, CAS - 52315-07-8
RCRA Haz-Waste Code(s):	None
CAA TQ: (air emissions)	None

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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