

Material Safety Data Sheet

Section 1 – Product Identification

Product Name:	Cyper LO EC	EPA Registration #:	53883-278
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
Cypermethrin	52315-07-8	26.0%	None Established
Inert Ingredients	-	74.0%	None Established

Section 3 – Hazard Identification

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

Flammability: Slightly combustible.

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 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, 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 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 – Storage and Handling Instructions

Storage Conditions:	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.
Container Disposal:	<p>Do not reuse or refill container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke. Triple rinse as follows:</p> <p>[Containers 5 gallons or less: Empty the remaining contents into application equipment 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 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. Once cleaned, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities. Do not cut or weld metal containers.]</p> <p>[Containers larger than 5 gallons: Empty the remaining contents into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip 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. Once cleaned, offer for recycling or reconditioning if appropriate.]</p> <p>[Pressure rinse as follows (all sizes): Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.]</p> <p>[Refillable container: Refill this container with pesticide 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 refiller.</p> <p>Return container to point of purchase for reuse with seal intact and in salable condition. Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.]</p>

Section 8 – Protective Equipment/Engineering Controls

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.
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:	Almost none	Melting Point:	N/A
Physical State:	Liquid	Flash Point:	>200°C
Color:	Clear pale yellow	Specific Gravity:	.95 (g/ml) @22 C
Bulk Density:	7.92 (lbs/gal)	pH:	4.9
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 :	>300 mg/kg
Skin Contact:	Irritant	Dermal LD ₅₀ :	>1000 mg/kg
Eye Contact:	Irritant	Inhalation LC ₅₀ :	>10 mg/kg
HMIS/NFPA Classification:	Fire - 1 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:	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. Not likely bioaccumulate 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: Environmentally hazardous substance, liquid, n.o.s. (26% cypermethrin), UN3082, PG III, marine pollutant.
IATA:	Not Regulated
IMDG:	Environmentally hazardous substance, liquid, n.o.s. (26% cypermethrin), UN3082, 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)	Health hazard: immediate. Fire hazard.
Section 313/TRI Chemicals:	26.0% 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.

The information provided on this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Control Solutions, Inc. The data on this sheet relates only to the specific material designated herein. Control Solutions, Inc. assumes no legal responsibility for the accuracy or completeness of this data, nor for use or reliance upon this data.