53883-278

53883-TX-002

Material Safety Data Sheet

EPA Registration #:

EPA Establishment #:

Section 1 – Product Identification

Product Name: Cyper LO EC
Manufacturer: Control Solutions Inc.

5903 Genoa- Red Bluff Pasadena, TX 77507 281-892-2500

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 You may also contact SafetyCall® International (866) 897-8050 for emergency

Information: medical treatment information.

Section 5 – Fire and Explosion Hazards

Flash Point: >200°F Upper Flammability Limit: N/A Extinguishing Media: Foam, CO₂, dry Lower Flammability Limit: N/A

chemical, water fog

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 CO₂.

Last Updated: February 28, 2011

Section 6 – Spill/Release Procedures

Universal or oil-only absorbent pads, vermiculite, absorbent booms, or clay Absorbent:

Containment: Do not discharge into municipal wastewater or public storm drains. Eliminate

runoff as much as possible.

Dispose of through municipal landfill or licensed TSDF. Open dumping is Waste Disposal:

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.

Do not reuse or refill container. Triple rinse or pressure rinse container (or equivalent) Container Disposal:

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: [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 1/4 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.] [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.]

[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.] **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.

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.]

Last Updated: February 28, 2011

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 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. 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.

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Section 13 – Regulatory

Section 302/TPQ: Contains no components listed under section 302.

(emergency planning)

Section 304/EHS RQ: Contains no components listed under section 304.

(release notification)

CERCLA RQ: Not regulated by CERCLA.

(release notification)

Section 311/Tier II: Health hazard: immediate. Fire hazard.

(MSDS submission)

Section 313/TRI 26.0% cypermethrin, CAS - 52315-07-8

Chemicals:

RCRA Haz-Waste None

Code(s):

CAA TQ: None

(air emissions)

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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