

Control Solutions, Inc.
5903 Genoa Red Bluff
Pasadena, Texas USA 77507

In Case of Emergency, Call
Information: 1-281-892-2500
CHEMTREC: 1-800-424-9300

1. CHEMICAL IDENTIFICATION

Product Name: Cyper LO EC
 EPA Registration No.: 53883-278
 Active Ingredient (%): Cypermethrin 26.0%
 Recommended Use: Insecticide

2. HAZARDS IDENTIFICATION

Health: May be fatal if swallowed. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray mist. Do not get in eyes, on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. See **Section 11**.

Environmental: Cypermethrin is extremely toxic to fish and bees. See **Section 12**.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Material</u>	<u>% by weight</u>	<u>CAS#</u>	<u>OSHA PEL</u>
Cypermethrin	26.0%	52315-07-8	None Established
Other Ingredients	74.0%	-	None Established

4. FIRST AID MEASURES

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 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 physician. Do not give anything by mouth to an unconscious person.
 Dermal Contact: Wash immediately with soap and water for 15-20 minutes. Call a poison control center for treatment advice if irritation persists.
 Physician's Information: You may also contact SafetyCall[®] International (866) 897-8050 for emergency medical treatment information.

5. FIRE FIGHTING MEASURES

Flash Point: >200°F
 Extinguishing Media: Water fog, CO₂, foam, dry chemical.
 Procedures: Use self-contained breathing apparatus and full protective (bunker) clothing.
 Unusual Fire Hazards: Combustible. Will form flammable vapors when heated.
 See **Section 10** for more information.

6. ACCIDENTAL RELEASE MEASURES

Absorbent Materials: 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.

7. HANDLING AND STORAGE

Storage Conditions: Do not store near heat or open flame. Store away from foodstuffs, feed, and children.

Special Handling: Avoid dermal contact. Take precautions to avoid damaging containers.

Considerations: Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking. Clean water should be available to rinse eyes and skin in case of chemical exposure.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use only in adequately ventilated areas.

Eye Protection: Use goggles, face shield, or safety glasses.

Respiratory Protection: None required. Avoid breathing spray.

Dermal Protection: Chemical resistant gloves, long sleeves, and pants.

Other Precautions: Clean water should be available to rinse eyes and skin in case of chemical exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: Almost none.

Physical State: Liquid.

Color: Clear pale yellow.

Vapor Pressure: N/A

Bulk Density: 7.92 (lbs/gal)

Viscosity: N/A

Melting Point: N/A

Flash Point: >200°C

Specific Gravity: .95 (g/ml) @ 22°C

pH: 4.9

Water solubility: Emulsifies

Refractive Index: N/A

10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY

Lower Flammability Limit: Not applicable.

Upper Flammability Limit: Not applicable.

Hazardous

Polymerization: Will not occur.

Decomposition Products: Products of combustion include cyanide, CO, and CO₂.

Conditions to Avoid: Stable under normal storage conditions. Avoid exposure to extreme temperatures.

11. TOXICOLOGICAL DATA

EPA Toxicity Category: "WARNING" label required.

Routes of Exposure: Dermal, eye, inhalation, ingestion.

Skin Contact: Irritant.

Eye Contact: Irritant. May cause redness and tearing. Symptoms for cypermethrin are reversible within 72 hours.

Oral LD₅₀: >300 mg/kg

Dermal LD₅₀: >1000 mg/kg

Inhalation LC₅₀: >10 mg/L

Carcinogenicity: * IARC: Group 3 (not carcinogenic)
* EPA: Group C (possible)
*GHS: Category 2 (suspected)

Teratogenicity: Not a teratogen.

12. ECOLOGICAL DATA

Aquatic:	Cypermethrin: 0.004 µg/L to 3.6 µg/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 to bioaccumulate due to acute toxicity.
Environmental Fate:	The average half-life of cypermethrin in aerobic soils is 30 days. Cypermethrin binds tightly to soil and is broken down primarily by microorganism, but also by photolysis.
Summary:	This product is highly toxic to fish and other aquatic organisms. It is also highly toxic to bees exposed to direct treatment or residues on crops or weeds.

13. DISPOSAL CONSIDERATION

Pesticide Disposal:	Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office, for guidance.
Container Disposal:	<p><i>For Containers equal to or less than 5 Gallons:</i> Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank 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 application equipment or a 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. Offer for recycling if available. Do not cut or weld metal containers.</p> <p><i>For Containers greater than 5 Gallons:</i> Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it 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. Offer for recycling if available.</p> <p><i>For bulk containers: (Refillable Container)</i> Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the re-filler. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. 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 and 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>

14. TRANSPORTION DATA

DOT: Non Bulk: Not Regulated.
Bulk: Environmentally hazardous substance, liquid, N.O.S. (26% cypermethrin), UN 3082 PG III, Marine Pollutant.

IATA: Not Regulated.

IMDG: Environmentally hazardous substance, liquid, N.O.S. (26% cypermethrin), UN 3082 PG III, Marine Pollutant.

15. REGULATORY DATA

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: (SDS submission) Health hazard: immediate. Fire hazard.

Section 313/TR Chemicals: 26.0% cypermethrin, CAS-52315-07-8

RCRA Haz-Waste Code(s): Not an RCRA hazardous waste.

CAA TQ: (air emissions) Not applicable.

EPA Signal Word: "WARNING".

16. OTHER INFORMATION

HMIS/NFPA Classification: Fire – 0 Health – 1
Reactivity – 0 Special – None

Training Necessary: No.

Date of Last Revision: June 22, 2015

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 SDS.

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