

MATERIAL SAFETY DATA SHEET

Control Solutions, Inc.

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Chemtrec: (800) 424-9300

Issue Date: 05/04/06

Section 1 Name & Hazard Summary

Material name: Cyonara Lawn & Garden Ready to Spray

Hazard summary (as defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200):

Physical hazards: None.

Health hazards: Irritant (eye, skin, respiratory passages, skin sensitizer).

Read the entire MSDS for a more thorough evaluation of the hazards.

Section 2

INGREDIENTS	%	ACGIH TLV
***Lambda-cyhalothrin (PP321 Technical) (CAS 91465-08-6)	0.5	Not listed
Other ingredients	99.5	
Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.		

Section 3 PHYSICAL DATA

Appearance and odor: Translucent liquid, with slight chemical odor

pH: 5.5 – 6.0

Specific gravity/Bulk Density: 0.99 to 1.01 @ 20° centigrade

Section 4 FIRE AND EXPLOSION HAZARD DATA

Flash point: Not applicable

Autoignition temperature: No data

Flammable limits (STP): Not applicable

Extinguishing media:

Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

Special fire fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

Possible toxic smoke, vapors, fallout and runoff water can result from fires depending on extent of combustion and presence of other combustible materials. Contaminated buildings, areas, and equipment must be properly decontaminated before reuse.

Section 5 REACTIVITY DATA

Stability: Stable under normal conditions.

Incompatibility: Oxidizing agents, alkalies, calcium hypochlorite.

Hazardous decomposition products: Combustion products: Carbon dioxide, carbon monoxide. Nitrogen oxides, ammonia, cyanuric acid, biuret. Halogen, halogen acids, possible trace amounts of carbonyl halide.

Hazardous polymerization: Will not occur.

Section 6 FIRST AID

First aid procedures:

<u>FIRST AID</u>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Poison Control Center 800-222-1222.	
If swallowed	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless directed to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.

Section 7 SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

This material is harmful to aquatic organisms. Releases to natural waters should be reported to appropriate water pollution control authorities. Releases of untreated effluent to the sewer should be immediately reported to the public treatment works.

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices. A small spill can be handled routinely. Use adequate ventilation to prevent inhalation. Wear suitable protective clothing and eye protection to prevent skin and eye contact. Use the following procedures:

1. Do not allow material to enter streams, sewers or other waterways.
2. Spread absorbent on the liquid such as clay, sand, sawdust, or dirt. Sweep up and place in a suitable container for disposal and label the contents.
3. Rinse with a small amount of water and use absorbent to collect the wash solution. Absorb any excess liquid as indicated above, and add to the disposal container.
4. Seal drum and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill plan. Otherwise, in case of emergency call, day or night, 800-424-9300, Chemtrec.

Disposal method:

This material is toxic to fish. Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams, or ponds. Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container disposal:

Observe all hazard precautions. Do not reuse empty containers. Place in trash or offer for recycling if available. If partly filled, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

*****Section 8 SPECIAL PROTECTION INFORMATION**

TLV® or suggested control value:

No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to

below the PEL for the ingredients (see Section 2) may not be sufficient. Minimize exposure in accordance with good hygiene practice. The manufacturer of the solvent recommends an exposure limit of 50 ppm as an 8-hr TWA.

Ventilation:

Manufacturing: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

End Use: Generally not required when treatment dilution is used but local exhaust or ventilation may be used if necessary.

Respiratory protection: Not normally needed for this product when tablet is diluted in water for end-use application. When needed, use MSHA/NIOSH approved respirator for pesticides.

Protective clothing:

This product is FIFRA regulated. Refer to product labeling for required end-user personal protection equipment. Skin contact should be prevented through the use of impervious gloves, long-sleeved shirt and long pants. Remove contaminated clothing and wash before re-wearing. Wash separately from other laundry.

Eye protection:

Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a faceshield, selected in regard to exposure potential.

Other protective equipment:

An adequate supply of clean potable water should be available to allow thorough flushing of skin and eyes in event of contact with this compound.

Section 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

Special precautions or other comments:

Prevent skin and eye contact. Observe OSHA PEL limitations. Avoid breathing vapors. A sensitized individual should not be exposed to the product which caused the sensitization. Do not store near feed, food, or within the reach of children. Containers should be stored in a cool, dry, well-ventilated area away from flammable materials and sources of heat or flame. Exercise due caution to prevent damage to or leakage from the container. Workers must follow good hygiene practices to avoid accidental ingestion.

Section 10 REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40CFR 710:
This product is a pesticide and is exempt from TSCA regulation.

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):
This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

Other Determined Regulations:
EPA Reg. No.: 53883-197

Other Information:
We assigned NFPA and HMIS ratings to this product 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.*

NFPA	HMIS
1 Health	2 Health
0 Flammability	0 Flammability
0 Reactivity	0 Reactivity
Special Hazards	PPE ¹
*This information is intended solely for the use of individuals trained in the particular hazard rating system. ¹ See appropriate MSDA section	

The information herein is given in good faith but no warranty, expressed or implied, is made.

***This line or section contains revisions or new statements since the last issue date.