

1. Identification

Product identifier	AvestaTM CS	
Other means of identification		
SDS number	535	
Product registration number	74530-53-5481	
Recommended use	Pyrethroid type insecticide/miticide.	
Recommended restrictions	Keep out of the Reach of Children!	
EPA Registration number	EPA: 74530-53-5481	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	AMVAC Chemical Corporation	
Address	4695 MacArthur Court Suite 1200 Newport Beach, CA 92660	
Telephone	AMVAC Chemical Corp	949-260-1200
	AMVAC Chemical Corp	949-260-6270(FAX)
Website	www.amvac.com	
E-mail	CustServ@amvac.com	
Emergency phone number	Medical	888-681-4261
	CHEMTREC® (USA+Canada)	800-424-9300
	Product Use	888-462-6822
	CHEMTREC® (Outside USA)	+1-703-527-3887

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Not classified.	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Wear protective gloves and eye/face protection. Avoid release to the environment.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Collect spillage.
Storage	Store in original container.

Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	This is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced in section 15. The pesticide label also includes other important information, including directions for use.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Lambda-Cyhalothrin		68085-85-8	9.7
Acetophenone		98-86-2	4
Inert ingredients		7732-18-5	86.3

4. First-aid measures

Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a POISON CENTER or doctor/physician for further treatment advice.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center for treatment advice.
Ingestion	Call a physician or poison control center immediately. Do not give any liquid to the person. Do not induce vomiting without advice from poison control center.
Most important symptoms/effects, acute and delayed	Mild eye irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	The product itself does not burn. Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	Not applicable, non-combustible.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This is a water base non-flammable liquid that will support fire only if the solvent is evaporated off first.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation.
Methods and materials for containment and cleaning up	Dike the spilled material. Absorb spill with vermiculite or other inert material. Shovel, sweep or vacuum up spillage and collect in suitable container for disposal.
Environmental precautions	Collect and dispose of spillage as indicated in section 13 of the SDS. Do not discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Read label before use. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities Store in a tightly closed container. Do not store near food, feed, fertilizers, seeds, insecticides or fungicides. Do not allow material to freeze.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Lambda-Cyhalothrin (CAS 68085-85-8)	PEL	5 mg/m ³

US. ACGIH Threshold Limit Values

Components	Type	Value
Acetophenone (CAS 98-86-2)	TWA	10 ppm
Lambda-Cyhalothrin (CAS 68085-85-8)	TWA	5 mg/m ³

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Lambda-Cyhalothrin (CAS 68085-85-8)	TWA	5 mg/m ³

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Acetophenone (CAS 98-86-2)	TWA	50 mg/m ³
		10 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Not available.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight fitting chemical goggles are recommended.

Skin protection

Hand protection Chemical resistant gloves.

Other Long-sleeved shirt and long pants or coveralls, socks and closed toe shoes are required.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.: Chemical respirator with organic vapor cartridge.

Thermal hazards Not available.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Encapsulated suspension.

Color Off-white

Odor Pungent

Odor threshold Not available.

pH 4.17

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density 1.01

Solubility(ies)

Solubility (water) Miscible

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

10. Stability and reactivity

Reactivity Not available.

Chemical stability Stable at normal conditions and storage conditions.

Possibility of hazardous reactions None known.

Conditions to avoid None known.

Incompatible materials Not available.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological information**Information on likely routes of exposure**

Inhalation Based on available data, the classification criteria are not met.

Skin contact Not a skin irritant or skin sensitizer.

Eye contact Not an eye irritant.

Ingestion None known.

Symptoms related to the physical, chemical and toxicological characteristics None known.

Information on toxicological effects**Acute toxicity**

Product	Species	Test Results
Avesta™ CS		
<u>Acute</u>		
Dermal		
<i>Liquid</i>		
LD50	Rat	> 5000 mg/kg
Inhalation		
<i>Liquid</i>		
LC50	Rat	> 2.23 mg/l, 4 h
Oral		
<i>Liquid</i>		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Non irritating to skin.	
Serious eye damage/eye irritation	Non-irritating	

Respiratory or skin sensitization

Respiratory sensitization None known.

Skin sensitization Not a sensitizer.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure No specific target organ toxicity is expected after single exposure.

Specific target organ toxicity - repeated exposure No specific target organ toxicity is expected after repeated exposure.

Aspiration hazard None known.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.
Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.

Product	Species	Test Results
Avesta™ CS		
Aquatic		
<i>Acute</i>		
Algae	LC50	Algae 28.7 mg/l, 72 h
Crustacea	LC50	Daphnia magna 24.3 µg/l, 48 h
Fish	LC50	Rainbow Trout (oncorhynchus mykiss) 0.06 mg/l, 96 h

Persistence and degradability Moderately persistent in the soil environment, with a half-life of approximately 30 days in most soils.

Bioaccumulative potential Bioaccumulation is unlikely.

Mobility in soil Active ingredient has a high affinity for soil.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site according to all applicable regulations.

Waste from residues / unused products Not available.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.
Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with all applicable regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

UN number UN3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lambda-Cyhalothrin), MARINE POLLUTANT

Transport hazard class(es)

Class 9

Subsidiary risk -

Packing group III

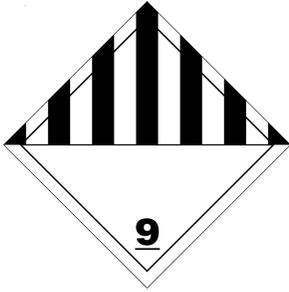
Environmental hazards

Marine pollutant Yes

EmS F-A, S-F

Special precautions for user Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

IMDG**Marine pollutant****15. Regulatory information****US federal regulations**

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product is registered under EPA/FIFRA Regulations. It is a violation of Federal Law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

United States Environmental Protection Agency (EPA) Labeling Requirements: This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION!

Harmful if absorbed through skin. Avoid contact with eyes, skin, and clothing. Wash hands after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Toxic Substances Control Act (TSCA)**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Acetophenone (CAS 98-86-2)

Listed.

Lambda-Cyhalothrin (CAS 68085-85-8)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.

SARA 311/312 Hazardous chemical No**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Acetophenone	98-86-2	4
Lambda-Cyhalothrin	68085-85-8	9.7

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Acetophenone (CAS 98-86-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetophenone (CAS 98-86-2)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	Oct-18-2019
Revision date	Oct-18-2019
Version #	2.0
HMIS® ratings	Health: 2* Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 0 Instability: 0

Disclaimer

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AMVAC Chemical Corporation cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

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Revision information

Hazard(s) identification: Hazard statement

Handling and storage: Precautions for safe handling

Toxicological information: Eye contact

TiradeTM

1% DUST

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Tirade 1% Dust
DESCRIPTION: A Solid Insecticide
EPA Reg. No.: 91234-293
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Harmful if swallowed or inhaled (H302+H332)
Causes eye irritation (H320)
May cause damage to organs (H371)
May cause damage to organs through prolonged or repeated exposure (H373)
Suspected of damaging fertility or the unborn child (H361)
Very toxic to aquatic life with long lasting effects. (H400+H410)



HAZARD CLASSIFICATION

Health Hazards

Acute toxicity, oral 4
Acute toxicity, inhalation 4
Serious eye damage/irritation 2B
Specific target organ toxicity, single exposure 2
Specific target organ toxicity, repeated exposure 2
Reproductive toxicity 2

Physical Hazards

None -

Environmental Hazards

Hazardous to the aquatic environment, acute 1
Hazardous to the aquatic environment, chronic 1

HAZARDS NOT REQUIRING CLASSIFICATION

No specific antidote is available. Treat the patient symptomatically.

PRECAUTIONARY STATEMENTS

Wear protective clothing as described in Section 8 of this document. (P280)
Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust. Use only outdoors or in a well-ventilated area. (P264+P270+P260+P271)
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help. (P304+P340+P317)
IF SWALLOWED: Get emergency medical help immediately. Specific treatment (See Section 4 for additional medical information). Rinse mouth. (P301+P316+P321+P330)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help. (P305+P351+P338+P337+P317)

IF exposed or concerned: Get emergency medical help immediately. (P308+P316)

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Store locked up. (P405)

Dispose of contents / container using instructions in the product label and in accordance with local / Federal regulations. (P501)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Cyfluthrin	Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(4-fluoro-3-phenoxyphenyl)methyl ester	68359-37-5	1.0%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.



Manufactured for:
Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For Chemical Emergency: Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300.

IF IN EYES: 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.

IF SWALLOWED: Call a 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 told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: No specific antidote is available. Treat the patient symptomatically.

SYMPTOMS OF POISONING: In case of poisoning, call physician or poison Control Center immediately. Have the patient lay down and keep quiet.

5. FIREFIGHTING MEASURES

Flash Point: Not available

Flammability Limits: Not determined

Fire and Explosion Hazards: Dangerous gases are evolved in the event of a fire.

Extinguishing Medium: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

Hazardous Combustion Products: Dangerous gases are evolved in the event of a fire.

NFPA Ratings: Health – 2 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined area. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental Precautions: Contain spillage and minimize spread. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of drains, sewers, ditches and water ways. Do NOT contaminate water when disposing of rinse waters.

Spill Cleanup: Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for reuse or disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Place leaking containers in oversize leakproof drums for transport.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Avoid breathing dust. Keep out of reach of children, DO NOT contaminate feed or food.

Storage: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components	CAS No.	Control parameters	Update	Basis
Cyfluthrin	68359-37-5	0.01 mg/m ³ (TWA)		OES BCS*
Cyfluthrin (Particulate.)	68359-37-5	5 µg/m ³ (AN ESL)	02 2013	TX ESL
Cyfluthrin (Particulate.)	68359-37-5	50 µg/m ³ (ST ESL)	02 2013	TX ESL

*OES: "Occupational Exposure Standard"

Engineering Controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Protective Clothing: Applicators and other handlers must wear long-sleeved shirt, pants, and shoes plus socks.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white powder
Odor:	strong bitter
Melting/freezing point:	not available
Boiling point/Boiling range:	not available
Flammability:	not available
Flammability limits (upper/lower):	not available
Flash point (cc):	not available
Auto-ignition temperature:	not available
Decomposition temperature:	ca. 500°C
pH:	6.83
Viscosity:	not available
Solubility:	not available
Partition coefficient:	not available
Vapor pressure:	not available
Bulk density:	34.9 lbs/cu. ft.
Tap Density:	0.559 g/cm ³ (34.9 lbs. ft ³)
Relative vapor density:	not available
Particle characteristics:	not available



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10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, flames and sparks. Exposure to moisture.

CHEMICAL STABILITY: Stable under recommended storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: No data available.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition products expected under normal conditions of use.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on a substantially similar product:

ORAL TOXICITY (rat LD₅₀): 1,733-3,084 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 1.18 mg/L (4-hour) (highest achievable conc.; no deaths)

EYE IRRITATION: Mild eye irritation (Rabbit)

SKIN IRRITATION: Slight irritation (Rabbit)

SKIN SENSITIZATION: Non-sensitizing (Guinea pig)

CARCINOGENICITY:

EPA: Not likely to be carcinogenic to humans (cyfluthrin)

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

SPECIFIC TARGET ORGAN TOXICITY-SINGLE OR REPEATED

EXPOSURE: Neurotoxic effects were seen in both general animal toxicology studies and studies specially designed to measure neurotoxicity. Neurotoxic effects were generally the most sensitive effects for cyfluthrin, as seen in all species, routes, and exposure durations tested.

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

DEVELOPMENTAL / REPRODUCTIVE TOXICITY: Developmental effects have been observed in some animal studies.

12. ECOLOGICAL INFORMATION

This pesticide is highly toxic to fish and aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

The following information is for the active ingredient, Cyfluthrin:

AQUATIC TOXICITY

Rainbow trout (LC₅₀ 96-hour): 0.000068 mg/L; (NOAEC): 0.000010 mg/L

Eastern oyster (96-hour EC₅₀): 0.00269 mg/L

Daphnia (48-hour LC₅₀): 0.000025 mg/L; (NOAEC): 0.0000074 mg/L

Green algae (96-hour EC₅₀): > 0.181 mg/L

AVIAN TOXICITY

Bobwhite quail (Acute Oral LD₅₀): >5,000 mg/kg-bw

TERRESTRIAL INVERTEBRATES

Honey bee (LD₅₀): 0.037µg/bee

MOBILITY IN SOIL / BIODEGRADABILITY

Cyfluthrin is classified as an immobile compound in soils. Not rapidly biodegradable.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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: Non-refillable containers. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Not regulated

IMDG:

Containers ≤ 1.3 gal. (5 L) in strong out packaging:

Not regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipped internationally by vessel: UN3077, Environmentally hazardous substance, solid, N.O.S. (contains cyfluthrin), 9, PG III, Marine Pollutant

IATA:

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipments by air: UN3077, Environmentally hazardous substance, solid, N.O.S. (contains cyfluthrin), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.



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15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Avoid breathing dust. Keep out of reach of children. DO NOT contaminate feed or food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and other aquatic organisms.

PHYSICAL OR CHEMICAL HAZARD

Do not mix or allow to come in contact with any oxidizing agent. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate (Acute), Delayed (Chronic)

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

Cyfluthrin (CAS No. 68359-37-5): 1.0%

CERCLA Reportable Quantity (RQ) –

Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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