



SAFETY DATA SHEET

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Silencer 120 EC

Revision date 21-Nov-2025

Version 1 Supersedes Date:

21-Nov-2025

Product Code(s) INS05525-1

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1. Identification

Product identifier

Product Name Silencer 120 EC

Other means of identification

Document ADAMA-276

Synonyms Lambda-cyhalothrin 120 EC

Registration Number(s) 29052

Recommended use of the chemical and restrictions on use

Recommended use Insecticide

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Address

ADAMA Agricultural Solutions Canada Ltd.
300-191 Lombard Avenue
Winnipeg, Manitoba R3B 0X1
1-855-264-6262

Emergency telephone number

Emergency Telephone For fire, spill and/or leak contact INFOTRAC: 1-800-535-5053 (North America)
1-352-323-3500 (International) For medical emergencies and health/safety inquiries,
contact ProPharma Group: 1-877-250-9291

2. Hazard(s) identification

This chemical is a product registered under the Pest Control Products Act (PCPA) of Canada and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals. Please see Section 15 for additional information. This product has been classified according to Canada's Hazardous Product Regulations (WHMIS 2015).

Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2

Specific target organ toxicity (single exposure)	Category 3
Aspiration hazard	Category 1
Flammable liquids	Category 4

Label elements**Signal word: Danger****Hazard statements**

Toxic if swallowed
Harmful if inhaled
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Combustible liquid

**Precautionary Statements - General**

Keep out of reach of children

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Contaminated work clothing should not be allowed out of the workplace
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see supplemental first aid instructions on this label)
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Rinse mouth
Do NOT induce vomiting
IF INHALED: Remove person to fresh air and keep comfortable for breathing
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 water and soap
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients**Substance**

Not applicable.

Mixture**Synonyms**

Lambda-cyhalothrin 120 EC.

Chemical name	CAS No	Weight-%	INTERNATIONAL GHS CLASSIFICATION
Hydrocarbons, C10, aromatics, >1% naphthalene	64742-94-5	74-83	Asp. Tox. 1 (H304)Carc. 2 (H351)Aquatic Chronic 2 (H411)STOT SE 3 (H336)
lambda-cyhalothrin	91465-08-6	11-14	Acute Tox. 3 (H301) Acute Tox. 4 (H312) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Alkyl(C10-16)benzenesulfonic acid, calcium salt	68584-23-6	2-4	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
Solvent naphta (petroleum), heavy arom	64742-94-5	1-3	Flam. Liq. 4 (H227) Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Acute 2 (H401) Aquatic Chronic 2(H411)
Naphthalene	91-20-3	< 1	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Carc. 2 (H351)

4. First-aid measures**Description of first aid measures****General advice**

First aider: Pay attention to self-protection.

Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if symptoms occur.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Ingestion

Rinse mouth. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Self-protection of the first aider

Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed**Symptoms**

None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. May cause sensitization by skin contact.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid generation of dust. Do not breathe dust.
Other information	Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and storage**Precautions for safe handling**

Advice on safe handling	Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not
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eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up. Store away from other materials.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	Alberta	British Columbia	Ontario	Quebec	ACGIH TLV
Naphthalene 91-20-3	TWA: 10 ppm TWA: 52 mg/m ³ STEL: 15 ppm STEL: 79 mg/m ³ Skin	TWA: 10 ppm Skin	TWA: 10 ppm Skin	TWA: 10 ppm TWA: 52 mg/m ³ STEL: 15 ppm STEL: 79 mg/m ³	TWA: 10 ppm S*

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand protection

Wear suitable gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray.

Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Liquid clear		
Color	: light yellow		
Odor	: Aromatic		
Odor threshold	: No data available		
pH	: 6 - 7	EPA-OPPTS 830.7000	

Melting point / freezing point °C	: No data available		
Boiling point / boiling range °C	: No data available		
Flash point °C	: 62	EPA-OPPTS 830-6315	
Evaporation rate	: No data available		
Flammability (solid, gas)	: Not applicable		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: No data available		
Vapor density	: No data available		
Relative density	: 0.9 - 1.0	EPA-OPPTS 830.7300	
Solubility(ies) mg/l	: No data available		
Partition coefficient Log Pow	:		See Section 12 for additional Ecological Information
Autoignition temperature °C	: No data available		
Decomposition temperature °C	: No data available		
Kinematic viscosity mm ² /s 40 °C	: 2.6	OPPTS 830.7100	
Explosive properties	: Not an explosive		
Oxidizing properties	: Slight	EPA-OPPTS 830.6314	
Surface tension	: No data available		
Particle Size	: Not applicable		
Other information			
Bulk density g/ml	: Not applicable		

10. Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks. Excessive heat.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

Information on toxicological effects

Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: 98.11	Rat	EPA-OPPTS 870.1100	
Dermal LD50 mg/kg	: > 2000	Rat	EPA-OPPTS 870.1200	
Inhalation LC50 LC50	: 1.83	Rat	EPA-OPPTS 870.1300	
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	EPA-OPPTS 870.2500	
Serious eye damage/eye irritation	: Irritating to eyes	Rabbit	EPA-OPPTS 870.2400	
Sensitization	: Skin sensitizer	Guinea pig	EPA-OPPTS 870.2600	

Chronic toxicity**Germ cell mutagenicity****Chemical name**

lambda-cyhalothrin : Not classified

Carcinogenicity**Chemical name**

Hydrocarbons, C10, aromatics, >1% : Suspected of causing cancer
naphthalene

lambda-cyhalothrin : Not Carcinogenic

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Chemical name	ACGIH	IARC	NTP	OSHA
lambda-cyhalothrin		Group 2A		X
Naphthalene	A3	Group 2B	Reasonably Anticipated	X

Reproductive toxicity**Chemical name**

lambda-cyhalothrin : Not toxic for the reproductive system

STOT - Single Exposure**Chemical name**

Hydrocarbons, C10, aromatics, >1% : H336 - May cause drowsiness or dizziness
naphthalene

lambda-cyhalothrin : No data available

STOT - Repeated Exposure**Chemical name**

lambda-cyhalothrin : No data available

Aspiration hazard**Chemical name**

Hydrocarbons, C10, aromatics, >1% : H304 - May be fatal if swallowed and enters airways
naphthalene

lambda-cyhalothrin : No data available

Ecotoxicity**Aquatic toxicity****Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	: No data available			
Crustacea 48-hour EC50 mg/l	: No data available			
Algae 72-hour EC50 mg/l	: No data available			
Other plants EC50 mg/l	: No data available			

Chronic aquatic toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: No data available			
Other plants NOEC mg/l	: No data available			

Terrestrial Toxicity**Birds Oral LD50 mg/kg****Chemical name**

lambda-cyhalothrin : > 3950 Mallard duck

Bees Oral LD50 µg/bee**Chemical name**

lambda-cyhalothrin : 0.909

Abiotic Degradation**Water DT50 days****Chemical name**

lambda-cyhalothrin : ---- No data available

Soil DT50 days**Chemical name**

lambda-cyhalothrin : ---- No data available

Biodegradation**Chemical name**

lambda-cyhalothrin : No data available

Log Pow**Values****Method****Remarks****Bioconcentration factor (BCF)****Chemical name**

lambda-cyhalothrin : ---- Low bioaccumulation potential

Adsorption/Desorption**Chemical name****Values****Method****Remarks**

lambda-cyhalothrin : ---- Low mobility in soil

13. Disposal considerations

Waste treatment methods**Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

14. Transport information

TDG**UN/ID no**

UN2902

UN proper shipping name

Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin)

Hazard class

6.1

Packing group

III

Special Provisions

16

Marine pollutant

lambda-cyhalothrin.

Description

UN2902, Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin), 6.1, III

DOT**UN/ID no**

UN2902

UN proper shipping name

Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin)

Hazard class

6.1

Packing group

III

Special Provisions

IB3, T7, TP2, TP28

Description	UN2902, Pesticides, liquid, toxic, n.o.s. (lambda-cyhalothrin), 6.1, III, Marine pollutant
Emergency Response Guide Number	151

IATA

UN number	UN2902
UN proper shipping name	Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin)
Transport hazard class(es)	6.1
Packing group	III
ERG Code	6L
Special Provisions	A3, A4
Description	UN2902, Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin), 6.1, III

IMDG

UN number	UN2902
UN proper shipping name	Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin)
Hazard Class	6.1
Packing group	III
EmS-No	F-A, S-A
Special Provisions	61, 223, 274
Description	UN2902, Pesticide, liquid, toxic, n.o.s. (lambda-cyhalothrin), 6.1, III, Marine pollutant



15. Regulatory information

The laws, regulations and standards listed below have requirements on the management of this product:

International Regulations**International Inventories**

TSCA	Contact supplier for inventory compliance status.
DSL/NDL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Registration Number Pest Control Product Reg. No. 29052

Pest Control Product Statement This chemical is a pest control product registered by Health Canada Pest Management

Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. Read the label before using or handling the pest control product. These label requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label: DANGER, POISON

Difference between SDS and product label

	PCPA Product Label	GHS SDS
Signal word	DANGER, POISON	Danger
Acute toxicity - Oral	POISON	Toxic if swallowed
Acute toxicity - Inhalation	Harmful if inhaled	Harmful if inhaled
Eye irritation	Severe eye irritation	Causes serious eye irritation
Skin sensitization	Potential skin sensitizer	May cause an allergic skin reaction
STOT - single exposure	NA	May cause drowsiness or dizziness
Carcinogenicity	NA	Suspected of causing cancer
Aspiration hazard	Fatal if swallowed	May be fatal if swallowed and enters airways

16. Other information

NFPA	Health hazards 2	Flammability 2	Instability 0	Physical and chemical properties -
HMIS	Health hazards 2 *	Flammability 2	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AELG(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Revision date 21-Nov-2025

Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

End of Safety Data Sheet