

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Issuing Date 11-Jun-2025

Revision Date 11-Jun-2025

Revision Number 1

1. Identification

Product identifier

Product Name Actylis Lambda-Cy

Other means of identification

Product Code ACTYLIS LAMBDA-CY

CAS Number MIXTURE

UN-No UN3352

Synonyms None

Other Information EPA Reg. No. 2749-661

Recommended use of the chemical and restrictions on use

Recommended Use Agriculture

Restriction on Use Avoid prolonged contact with eyes, skin, and clothing Do not use where contact with food or drinking water is possible

Details of the supplier of the safety data sheet

Supplier Address

ACETO LIFE SCIENCES, L.L.C.
4 Tri Harbor Court
Port Washington, NY 11050-4661
Phone: (516) 627-6000
Fax: (516) 627-6093
Email: aceto@aceto.com

Emergency telephone number

Emergency telephone number(s) ChemTrec: 1-800-424-9300
Outside of the United States: 1-703-527-3887

2. Hazard(s) identification

Classification

Flammable liquids	Category 4
Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 2
Aspiration hazard	Category 1

Hazards not otherwise classified (HNOC)

Not applicable

Label elements



Danger

Hazard statements

Combustible liquid.
Toxic if swallowed.
Toxic if inhaled.
Causes eye irritation.
Suspected of causing cancer.
May be fatal if swallowed and enters airways.

Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
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.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep cool.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.
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 INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor/physician.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.
Do NOT induce vomiting.
In case of fire: Use CO₂, dry chemical, or foam for extinction.

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Information

No information available.

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

Synonyms Not available

Formula Not available

Chemical name	CAS No.	Weight-%	Trade secret
Aromatic hydrocarbon	64742-94-5	11.4	

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

Inhalation	Move victim to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Skin contact	Take off contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes.
Ingestion	If swallowed, call a poison control center or physician immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Effects of Exposure No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media	Water spray or fog. Foam. Carbon dioxide (CO2). Dry chemical.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	No information available.
Hazardous Combustion Products	Thermal decomposition or combustion may produce hazardous gases and/or materials.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions 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	Ensure adequate ventilation.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.
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8. Exposure controls/personal protection**Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Aromatic hydrocarbon 64742-94-5	-	-	-

Appropriate engineering controls**Engineering controls**

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

No special protective equipment required.

Gloves**Skin and body protection**

No special protective equipment required.

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

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Light yellow Transparent liquid
Color	Light yellow
Odor	Aromatic
Odor Threshold	No information available

Property	Values	Remarks • Method
pH	7	None known
pH (as aqueous solution)		None known
Melting point / Freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	80 °C / 176 °F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature °C	No data available	No information available
Decomposition temperature		None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Other information		
Explosive properties	No information available	
Oxidizing properties	No information available	
Softening Point	No information available	
Molecular Weight	No information available	
VOC content	No information available	
Liquid Density	No information available	
Bulk density	No information available	

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.
Incompatible materials	Oxidizing agent. Alkali. Calcium hypochlorite.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Avoid breathing dust, fume, gas, mist, vapors and spray.
Eye contact	Mild eye irritation.
Skin contact	Substance may cause slight skin irritation.
Ingestion	Do not take internally.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
ATEmix (dermal)
ATEmix (inhalation-gas)
ATEmix (inhalation-vapor)
ATEmix (inhalation-dust/mist)

Oral LD50 81 mg/kg (rat)
Dermal LD50 > 2,000 mg/kg (rat)
Inhalation LC50 0.622 mg/l (rat) (4 hr)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic hydrocarbon 64742-94-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Aromatic hydrocarbon 64742-94-5	-	-	-	-

Reproductive toxicity No information available.

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	May be fatal if swallowed and enters airways.
Other Adverse Effects	No information available.
Interactive effects	No information available.

12. Ecological information

Ecotoxicity Toxic to fish and other water organisms. Toxic to bees.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aromatic hydrocarbon 64742-94-5	-	LC50: =19mg/L (96h, Pimephales promelas) LC50: =2.34mg/L (96h, Oncorhynchus mykiss) LC50: =1740mg/L (96h, Lepomis macrochirus) LC50: =45mg/L (96h, Pimephales promelas) LC50: =41mg/L (96h, Pimephales promelas)	-	EC50: =0.95mg/L (48h, Daphnia magna)

Persistence/Degradability No information available.

Bioaccumulation There is no data for this product.

Chemical name	Partition coefficient
Aromatic hydrocarbon 64742-94-5	6.5

Other adverse effects No information available.

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**DOT**

UN-No	UN3352
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic
Transport hazard class(es)	6.1
Packing Group	III
Special Provisions	IB3, T7, TP2, TP28
DOT Marine Pollutant	NP
Description	UN3352, Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin), 6.1, III

TDG

UN-No	UN3352
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic
Transport hazard class(es)	6.1
Packing Group	III
Special Provisions	16
Description	UN3352, Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin), 6.1, III

MEX

UN-No	UN3352
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic
Transport hazard class(es)	6.1
Packing Group	III
Technical Name	Lambda-cyhalothrin
Description	UN3352, Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin), 6.1, III
Special Provisions	61, 223, 274

ICAO

UN-No	UN3352
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic
Transport hazard class(es)	6.1
Packing Group	III
Description	UN3352, Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin), 6.1, III
Special Provisions	A3, A4

IATA

UN number or ID number	UN3352
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic
Transport hazard class(es)	6.1
Packing group	III
Technical Name	Lambda-cyhalothrin
Description	UN3352, Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin), 6.1, III
Special Provisions	A3, A4
ERG Code	6L

IMDG

UN number or ID number	UN3352
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic
Transport hazard class(es)	6.1
Packing Group	III
EmS No.	F-A, S-A
Special Provisions	61, 223, 274
Marine pollutant	NP
Description	UN3352, Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin), 6.1, III

15. Regulatory information**International Inventories****TSCA**

Does not comply

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Aromatic hydrocarbon	64742-94-5	Present	Active

Chemical name	CAS No.	References
Aromatic hydrocarbon	64742-94-5	-

DSL/NDL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AIIC	Does not comply
NZIoC	Does not comply

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 Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Aromatic hydrocarbon 64742-94-5	-	-	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Aromatic hydrocarbon 64742-94-5	-	-	

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
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Lambda-cyhalothrin 91456-08-6	-	-	-
Aromatic hydrocarbon 64742-94-5	-	-	-
Other Ingredients NA	-	-	-

U.S. EPA Label Information**EPA Pesticide Registration Number** 2749-661**EPA Statement**

In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA. 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 by Safety Data Sheets, and for workplace labels of non-pesticide chemicals.

16. Other information

NFPA Health hazards 3 Flammability 2 Instability 0 Special hazards -

**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	Sk*	Skin designation
+	Sensitizers		

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

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(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 National Institute of Technology and Evaluation (NITE)
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)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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Revision Summary

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