



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
HPR, Schedule 1

Revision date 18-Mar-2025

Revision Number 1

1. Identification

Product identifier

Product Name LC PestiMix 4 10 µg/mL in Acetonitrile

Other means of identification

Product Code(s) DRE-A50000804AL

Recommended use of the chemical and restrictions on use

Recommended use Laboratory use

Restrictions on use No information available

Details of the supplier of the safety data sheet

Initial supplier identifier

Delta Scientific Laboratory Products
346 Watline Avenue, ,
ON L4Z 1X2
Canada

Tel:905-629-4545
Fax:905-629-7249

Web:www.delta-sci.com

E-mail info@delta-sci.com

Emergency telephone number

Emergency Telephone

24 Hr Emergency Contact CANUTEC, Tel: 1-(613) 966-6666

2. Hazard identification

Classification of the substance or mixture

Classification according to WHMIS.

Flammable liquids	Category 2
Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapours)	Category 4

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Serious eye damage/eye irritation

Category 2A

Label elements



Danger

Hazard statements

Classification according to WHMIS.
Highly flammable liquid and vapour.
Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection and face protection.
Avoid breathing dust, fume, gas, mist, vapors and spray.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Ground and bond container and receiving equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.

Eyes

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 and attention.

Skin

Call a POISON CENTRE or doctor if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
Rinse mouth.

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Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Spill

Collect spillage.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

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

Other information

Toxic to aquatic life.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical nature

Mixture of organic compounds.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Acetonitrile	75-05-8	90 - 100%	-	
pyraflufen-ethyl	129630-19-9	0 - 10%	-	
Pendimethalin (ISO)	40487-42-1	0 - 10%	-	
Ipconazole	125225-28-7	0 - 10%	-	
Hexaflumuron	86479-06-3	0 - 10%	-	
Dioxathion (ISO)	78-34-2	0 - 10%	-	
dimoxystrobin (ISO)	149961-52-4	0 - 10%	-	
beflubutamid (ISO)	113614-08-7	0 - 10%	-	
Azamethiphos	35575-96-3	0 - 10%	-	
Abamectin	71751-41-2	0 - 10%	-	

4. First-aid measures

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

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Inhalation	Remove to fresh air. If symptoms persist, call a doctor. If breathing has stopped, give artificial respiration. Get medical attention immediately.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a doctor.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists.

Most important symptoms and effects, both acute and delayed

Symptoms	May cause redness and tearing of the eyes. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.
Effects of Exposure	No information available.

Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). 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	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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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. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Avoid breathing vapours or mists.

Other information Ventilate the area. 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. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers 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 labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations 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. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear

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suitable gloves and eye/face protection.

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 labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up. Please refer to the manufacturer's certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on the CoA.

8. Exposure controls/personal protection

Control parameters

Control parameters

Exposure Limits

Chemical name	Alberta	British Columbia	Ontario	Quebec
Acetonitrile 75-05-8	TWA: 20 ppm TWA: 34 mg/m ³	TWA: 20 ppm Sk*	TWA: 20 ppm Sk*	TWA: 20 ppm Skin Ceiling: 5 mg/m ³
Dioxathion (ISO) 78-34-2	TWA: 0.1 mg/m ³ Skin	TWA: 0.1 mg/m ³ Skin	TWA: 0.1 mg/m ³ Skin	TWA: 0.2 mg/m ³ Skin

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Acetonitrile	TWA: 20 ppm Sk*	TWA: 20 ppm Sk*	TWA: 20 ppm Sk*	TWA: 20 ppm Sk*

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Acetonitrile	TWA: 20 ppm STEL: 30 ppm Sk*	TWA: 20 ppm	TWA: 20 ppm STEL: 30 ppm Skin	TWA: 40 ppm TWA: 70 mg/m ³ STEL: 60 ppm STEL: 105 mg/m ³

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations

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Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles. Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Hand protection	Wear protective butyl rubber gloves. Wear suitable gloves. Impervious gloves. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.
Skin and body protection	Long sleeved clothing. Chemical resistant apron. Antistatic boots. 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.
Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water.
General hygiene considerations	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. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Physical state	Liquid
Colour	colourless
Odour	Aromatic

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	-45.7 °C	None known
Initial boiling point and boiling range	81.6 °C	None known
Flammability		None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	17 Vol%	
Lower flammability or explosive limits	3 Vol% - 50 g/m ³	
Flash point	2 °C	None known
Autoignition temperature	524 °C	None known
Decomposition temperature	No data available	None known
SADT (°C)	No data available	None known
pH	No data available	None known

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pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	0.35 mPa s	@ 25°C
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition Coefficient (n-octanol/water)	-0.34	None known
Vapour pressure	94.51 - 98.64 hPa	@ 20°C
Relative density	0.7857	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	1.42	None known
Particle characteristics		None known
Particle Size	No data available	
Particle Size Distribution	No data available	

Other information

Information with regards to physical hazard classes

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.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May be absorbed through the skin in harmful amounts. Harmful in contact with skin. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Harmful if swallowed. (based on components).

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Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Coughing and/ or wheezing.

Acute toxicity Harmful if swallowed. Harmful by skin contact. Harmful by inhalation.

Numerical measures of toxicity

No information available

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

ATEmix (oral) 500.40 mg/kg
ATEmix (dermal) 1,101.00 mg/kg
ATEmix (inhalation-gas) 99,999.00 ppm
ATEmix (inhalation-dust/mist) 99,999.00 mg/l
ATEmix (inhalation-vapour) 11.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetonitrile 75-05-8	= 2460 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 26.8 mg/L (Rat) 4 h
pyraflufen-ethyl 129630-19-9	> 5000 mg/L (Rat)	-	-
Pendimethalin (ISO) 40487-42-1	= 1050 mg/kg (Rat) = 978 mg/kg (Mouse)	> 5000 mg/kg (Rabbit)	= 320 mg/L (Rat) 4 h
Ipconazole 125225-28-7	= 888 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 3.53 mg/l (Rat, 4h)
Hexaflumuron 86479-06-3	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 2500 mg/m ³ (Rat) 4 h
Dioxathion (ISO) 78-34-2	= 20 mg/kg (Rat)	= 63 mg/kg (Rat) = 235 mg/kg (Rat)	= 1398 mg/m ³ (Rat) 1 h
dimoxystrobin (ISO) 149961-52-4	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 1.9 mg/L (Rat) 4 h = 1.3 mg/L (Rat) 4 h
beflubutamid (ISO) 113614-08-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5 mg/l (Rat, 4h)
Azamethiphos 35575-96-3	= 1040 mg/kg (Rat)	> 2150 mg/kg (Rat)	-
Abamectin 71751-41-2	= 10 mg/kg (Rat)	>2000 mg/kg (Rabbit)	= 1100 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 Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation No information available.

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Germ cell mutagenicity No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Dioxathion (ISO) 78-34-2	-	Group 2A	-	X
Azamethiphos 35575-96-3	-	-	-	X
Abamectin 71751-41-2	-	-	-	X

Legend

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labour)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetonitrile 75-05-8	-	LC50: 1600 - 1690mg/L (96h, Pimephales promelas) LC50: =1000mg/L (96h, Pimephales promelas) LC50: =1850mg/L (96h, Lepomis macrochirus)	-	EC50: 3,600 mg/l (48h, daphnia)

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		LC50: =1650mg/L (96h, <i>Poecilia reticulata</i>)		
pyraflufen-ethyl 129630-19-9	0.00023 mg/L (<i>Raphidocelis subcapitata</i> , 72 hour)	> 0.100 mg/L (Fish, 96h)	-	> 0.100 mg/L (<i>Daphnia magna</i> , 48h)
Pendimethalin (ISO) 40487-42-1	EC50: 1.61 mg/L (72h, Algae)	LC50: =0.00019mg/L (96h, <i>Pimephales promelas</i>) LC50: =0.14mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =0.2mg/L (96h, <i>Lepomis macrochirus</i>)	-	EC50: 2.69 mg/L (48h, <i>Daphnia magna</i>)
Ipconazole 125225-28-7	EC50: 0.62 mg/l (<i>Pseudokirchneriella subcapitata</i> , 72h)	LC50: > 1.5 mg/l (<i>Oncorhynchus mykiss</i> , 96h)	-	EC50: 1.7 mg/l (<i>Daphnia magna</i> , 48h)
dimoxystrobin (ISO) 149961-52-4	EC50: 0.017 mg/l (<i>Pseudokirchneriella subcapitata</i> , 72h)	LC50: 0.0434 mg/l (<i>Oncorhynchus mykiss</i> , 96h)	-	EC50: 0.0394 mg/l (<i>Daphnia magna</i> , 48h)
beflubutamid (ISO) 113614-08-7	EC50: 69.2 mg/l (<i>Selenastrum capricornutum</i> , 72h)	LC50: 1.86 mg/l (<i>Oncorhynchus mykiss</i> , 96h)	-	EC50: 1.64 mg/l (<i>Daphnia magna</i> , 48h)

Persistence and degradability No information available.

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
Acetonitrile 75-05-8	-0.34
pyraflufen-ethyl 129630-19-9	3.49
Pendimethalin (ISO) 40487-42-1	5.18
Ipconazole 125225-28-7	4.3
dimoxystrobin (ISO) 149961-52-4	3.59
beflubutamid (ISO) 113614-08-7	4.28

Other adverse effects No information available.

13. Disposal considerations



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Disposal methods

Waste from residues/unused products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

14. Transport information

TDG

UN number or ID number	UN1648
UN proper shipping name	Acetonitrile mixture
Transport hazard class(es)	3
Packing group	II
Description	UN1648, Acetonitrile mixture, 3, II

DOT

UN number or ID number	UN1648
Extended proper shipping name	Acetonitrile mixture
Transport hazard class(es)	3
Packing group	II
Reportable Quantity (RQ)	(Acetonitrile: RQ (kg)= 2270.00) Acetonitrile: RQ (lb)= 5000.00
Reportable quantity (kg) (calculated)	Acetonitrile: RQ (kg)= 2272.00
Reportable quantity (lbs) (calculated)	Acetonitrile: RQ (lb)= 5004.00
DOT Marine Pollutant	I.
Description	UN1648, Acetonitrile mixture, 3, II
Special Provisions	IB2, T7, TP2
Emergency Response Guide Number	127

ICAO (air)

UN number or ID number	UN1648
UN proper shipping name	Acetonitrile
Transport hazard class(es)	3
Packing group	II
Description	UN1648, Acetonitrile, 3, II

IATA

UN number	UN1648
UN proper shipping name	Acetonitrile mixture
Transport hazard class(es)	3
Packing group	II

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ERG Code 3L
Description UN1648, Acetonitrile mixture, 3, II

IMDG

UN number UN1648
UN proper shipping name Acetonitrile mixture
Transport hazard class(es) 3
Packing group II
EmS-No. F-E, S-D
Marine pollutant P
Description UN1648, Acetonitrile mixture, 3, II, (2°C c.c.), Marine pollutant

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

TSCA

LGC has not confirmed that the chemical substances in this product are on the TSCA Inventory, and LGC is distributing this product solely for use either in applications statutorily exempt from TSCA and regulated under other laws (e.g., FFDCA, FIFRA) or in research and development activities in accordance with the TSCA Inventory R&D exemption provided at 40 CFR 720.36. It is the end-user's responsibility to understand and follow the requirements that apply to its use of this product.

Chemical name	CAS No.	US TSCA Inventory listing	US TSCA inactive/active designation
Acetonitrile	75-05-8	Present	Active
Flutriafol	76674-21-0	-	-
Dioxathion (ISO)	78-34-2	-	-
Fluazinam	79622-59-6	-	-
Fluoroxypyr-meptyl (ISO)	81406-37-3	-	-
Teflubenzuron	83121-18-0	-	-
Diniconazole (ISO)	83657-24-3	-	-
Azinphos-methyl (ISO)	86-50-0	-	-
Hexaflumuron	86479-06-3	-	-
haloxyfop-etotyl (ISO)	87237-48-7	-	-
2-Chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl)acetamide	87674-68-8	-	-
Fenoxaprop	95617-09-7	-	-
Benoxacor	98730-04-2	Present	Active

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fosthiazate (ISO)	98886-44-3	-	-
Cloquintocet-1-methylhexyl ester	99607-70-2	Present	Active
lufenuron (ISO)	103055-07-8	-	-
dialifos (ISO)	10311-84-9	-	-
Fenchlorazole-ethyl	103112-35-2	-	-
beflubutamid (ISO)	113614-08-7	-	-
Propoxur (ISO)	114-26-1	-	-
Fenbuconazole (ISO)	114369-43-6	-	-
Spirotetramat-mono-hydroxy	1172134-12-1	-	-
Picoxystrobin	117428-22-5	Not Present	-
Doramectin	117704-25-3	-	-
Prothioconazole-desthio	120983-64-4	-	-
Flurenol-methyl ester	1216-44-0	-	-
Sulfentrazone	122836-35-5	-	-
Eprinomectin	123997-26-2	-	-
Ipconazole	125225-28-7	-	-
Fenhexamid (ISO)	126833-17-8	-	-
Tolfenpyrad	129558-76-5	-	-
pyraflufen-ethyl	129630-19-9	-	-
cyanofenphos (ISO)	13067-93-1	-	-
1-(4-nitrophenyl)-3-propylure	13141-86-1	-	-
Triticonazole (ISO)	131983-72-7	-	-
Mefenpyr-diethyl	135590-91-9	-	-
phenmedipham	13684-63-4	-	-
Picolinafen	137641-05-5	-	-
Fensulfothion-sulfone	14255-72-2	-	-
cinidon ethyl (ISO)	142891-20-1	-	-
Chromafenozide	143807-66-3	-	-
dimoxystrobin (ISO)	149961-52-4	-	-
Ethyl-5,5-diphenyl-2-isoxazoline-3-carboxylate	163520-33-0	Present	Active
selamectin impurity b	165108-07-6	-	-
Pyridalyl	179101-81-6	-	-
Proquinazid	189278-12-4	-	-
Oryzalin	19044-88-3	-	-
Spirotetramat	203313-25-1	-	-
Metrafenone	220899-03-6	-	-
dimethylvinphos	2274-67-1	-	-
Fluacrypyrim	229977-93-9	-	-
tri-allate (ISO)	2303-17-5	-	-
prallethrin	23031-36-9	-	-
Butyl	2314-09-2	-	-
9-hydroxy-9H-fluorene-9-carboxylate			
Isocarbofos	24353-61-5	-	-
6-methyl-1,3-dithiolo(4,5-b)quinoxalin-	2439-01-2	-	-

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Chemical name	CAS No.	US TSCA Inventory listing	US TSCA inactive/active designation
2-one			
2-Methyl-3-furanilide	24691-80-3	-	-
Phorate-Oxon	2600-69-3	-	-
2,3,5-Trimethacarb	2655-15-4	-	-
Triforine	26644-46-2	-	-
Oxamyl-oxime	30558-43-1	Present	Active
Fluotrimazole	31251-03-3	-	-
Bromfenvinphos	33399-00-7	-	-
N-benzyl-N-isopropyl-2,2-dimethylpropionamide	35256-85-0	-	-
Azamethiphos	35575-96-3	-	-
Fenthion-sulfoxide	3761-41-9	-	-
climbazole	38083-17-9	-	-
Thiofanox-sulfoxide	39184-27-5	-	-
Thiofanox-sulfone	39184-59-3	-	-
Pendimethalin (ISO)	40487-42-1	-	-
isazofos (ISO)	42509-80-8	-	-
Isoprothiolane	50512-35-1	-	-
dimethachlor (ISO)	50563-36-5	Present	Inactive
Pretilachlor	51218-49-6	-	-
ditalimfos	5131-24-8	-	-
Empenthrin	54406-48-3	-	-
Neburon	555-37-3	-	-
Flurprimidol	56425-91-3	-	-
Bixafen	581809-46-3	-	-
dimethoate	60-51-5	Present	Active
azaconazole (ISO)	60207-31-0	-	-
Chlorthiophos (ISO)	60238-56-4	-	-
Fensulfothion-oxon-sulfone	6132-17-8	-	-
Fensulfothion-oxon	6552-21-2	-	-
cyprofuram	69581-33-5	-	-
Flucythrinate	70124-77-5	-	-
Ivermectin	70288-86-7	-	-
Abamectin	71751-41-2	-	-
Propaphos	7292-16-2	-	-

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

International Inventories

DSL/NDSL

EINECS/ELINCS

ENCS

IECSC

KECL

Contact supplier for inventory compliance status.

Contact supplier for inventory compliance status.

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PICCS Contact supplier for inventory compliance status.
 AIIC Contact supplier for inventory compliance status.
 NZIoC Contact supplier for inventory compliance status.
 TCSI 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
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

16. Other information

NFPA **Health hazards** 2 **Flammability** 3 **Instability** 0 **Special hazards** -
HMIS **Health hazards** 2 **Flammability** 3 **Physical hazards** 0 **Personal protection** X

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

Legend

ACGIH	The American Conference of Governmental Industrial Hygienists (ACGIH) Documentation of Threshold Limit Values and Biological Indices (latest edition)
ADN	European Agreement on International Transport of Dangerous Goods by Road (ADR)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
P240 - Ground and bond container and receiving equipment	Acute Toxicity Estimate
P263 - Avoid contact during pregnancy and while nursing	ASTM (formerly known as the American Society for Testing and Materials)
bar	Biological Reference Values for Chemical Compounds in the Work Area
paste	Biological tolerance values for occupational exposure
MEX	Biological exposure limits
European Export/Import Restrictions per (EC) 649/2012 - Annex Number	Body weight
Ceiling	Maximum limit value
CMR Effects	CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
DOT	DOT (Department of Transportation)
DSL	Canadian Domestic Substances List (DSL)
EmS	Emergency Schedule
ENCS	ENCS (Existing and New Chemical Substances)
EPA	EPA (Environmental Protection Agency)
GHS	The Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

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HMIS	Hazardous Materials Identification System
IARC	IARC - International Agency for Research on Cancer
IATA	(IATA) International Air Transport Association
IBCs	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	The transportation of primary lithium cells and batteries is regulated by the International Civil Aviation Organization, International Air Transport Association, International Maritime Dangerous Goods Code and the US Department of Transportation. The batteries must meet the following criteria for shipment: 1. Air shipments must meet the requirements listed in Special Provision A45 of the International Air Transport Association Dangerous Goods Regulations. 2. Meet the requirements for the US Department of Transportation listed in 49 CFR 173.185. 3. The transport of primary lithium batteries is prohibited aboard passenger aircraft. Refer to the Federal Register December 15, 2004 (Hazardous Materials; Prohibited on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft; Final Rule)
IECSC	China (IECSC)
IMDG	Sea transport (IMDG)
Directive 84/449/EEC, Annex, C.10	International Maritime Organization
Directive 84/449/EEC, Annex, A.7	ISO (The International Organization for Standardisation)
KECL	South Korea (KECL)
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order article 18 (related to Industrial Safety and Health Law article 57)	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	NOAEL (No observed adverse effect level)
Other names	No Observable Effect Loading Rate
NZIoC	NZIoC - New Zealand Inventory of Chemicals
Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order article 18 (related to Industrial Safety and Health Law article 57)	OECD (Organization for Economic Cooperation and Development)
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	PICCS - Philippines Inventory of Chemicals and Chemical Substances
Chemically unstable gas A	Persistent, Mobile and Toxic
Terrestrial ecotoxicity	Personal protective equipment
QSAR	Quantitative Structure Activity Relationships [QSAR]
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship

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SDS	Safety Data Sheet
SL	Surface Limit
STEL	STEL - Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	TDG (Transport of Dangerous Goods) Canada
TSCA	TSCA (Toxic Substances Control Act)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
Sen+	Sensitiser
Sk*	Skin designation
**	Hazard 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) (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)
 National Institute of Technology and Evaluation (NITE)
 Australian 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)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
 Organisation for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Revision date 18-Mar-2025
Revision Note No information available.

Disclaimer

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End of Safety Data Sheet