Safety Data Sheet
according to WHS Regulations

Print date: 09.05.2026 Revision date: May 2031

1 Identification

Product Name: LarvaBETA Insecticide

Other Means of Identification: Mixture

APVMA Approval Number: 84858

Recommended Use of the Chemical and Restriction on Use: Insecticide

Details of Manufacturer or Importer:
Sundew Solutions Pty Ltd
11/4 Dunlop Court
Bayswater, VIC 3153
Australia

Phone Number: 1800 786 339

Emergency telephone number: Call Poisons Information Centre 13 11 26.

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.
Not subject to the ADG Code when transported in Australia by Road or Rail in packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply.


Skull and crossbones

Acute Toxicity (Oral) 3 H301 Toxic if swallowed.


Health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.


Environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Eye Irritation 2A H319 Causes serious eye irritation.

Flammable Liquids 4 H227 Combustible liquid.

Toxic To Reproduction - Lact. H362 May cause harm to breast-fed children.

Signal Word Danger

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Hazard Statements
H227 Combustible liquid.
H301 Toxic if swallowed.
H319 Causes serious eye irritation.
H362 May cause harm to breast-fed children.
H372 Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe dusts or mists.
P263 Avoid contact during pregnancy/while nursing.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.
P391 Collect spillage.
P403 Store in well-ventilated place.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 68359-37-5	beta-Cyfluthrin Acute Toxicity (Oral) 2, H300; Acute Toxicity (Inhalation) 3, H331; STOT RE 1, H372; Aquatic Chronic 1, H410 (M=1000); Eye Irritation 2A, H319; Toxic To Reproduction - Lact., H362	10-15%
CAS: 26264-06-2	Calcium dodecylbenzenesulfonate Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315	<10%
CAS: 95737-68-1	Pyriproxyfen Aquatic Chronic 1, H410; Acute Toxicity (Inhalation) 4, H332	1-2.5%

Non Hazardous Components:		
Ingredients determined to be non-hazardous		up to 100%

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4 First Aid Measures

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation occurs and persists.

Eye Contact:
In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give 1-2 glasses of water to drink in small sips. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: Causes serious eye irritation.
Ingestion: Toxic if swallowed. May cause burning sensations in the mouth, headache, dizziness, drowsiness, diarrhoea, nausea, vomiting, listlessness, stomach pain, muscular twitching or arms or legs.

5 Fire Fighting Measures

Suitable Extinguishing Media:
Use water spray, foam, dry chemical or carbon dioxide. Do not use a solid water stream.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon, oxides of nitrogen, hydrogen fluoride, hydrogen chloride and hydrogen cyanide.
Product is combustible. It may burn in a larger fire.
Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.
Prevent run-off from fire fighting entering drains or water courses.
HAZCHEM Code: •3Z

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.
Inform respective authorities in case of seepage into water course or sewage system.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

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7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours or spray mist. Use only outdoors or in a well-ventilated area.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong acids, alkalis, oxidising agents and reducing agents.

8 Exposure Controls and Personal Protection

Exposure Standards:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:
Use an approved mixed type organic vapour / particulate respirator (types A and P) under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Chemical resistant gloves. Recommended materials: nitrile, neoprene. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Liquid
Colour:	Golden, clear
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	approx. 200 °C
Flash Point:	83 °C
Flammability (solid, gas):	Not applicable

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Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density at 20 °C:	1.05 - 1.07 g/cm^3
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Forms a suspension
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong acids, alkalis, oxidising agents and reducing agents.

Hazardous Decomposition Products:
Oxides of carbon, oxides of nitrogen, hydrogen fluoride, hydrogen chloride and hydrogen cyanide.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 68359-37-5 beta-Cyfluthrin		
Oral	LD50	>16.2 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	5,000 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50	4.05 mg/l (Rattus norvegicus (rat))
CAS: 26264-06-2 Calcium dodecylbenzenesulfonate		
Oral	LD50	1,300 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
CAS: 95737-68-1 Pyriproxyfen		
Oral	LD50	>5,000 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	>1.3 mg/l (Rattus norvegicus (rat))

Acute Health Effects
Inhalation: May cause respiratory irritation.
Skin: May cause skin irritation.
Eye: Causes serious eye irritation.
Ingestion:
Toxic if swallowed. May cause burning sensations in the mouth, headache, dizziness, drowsiness, diarrhoea, nausea, vomiting, listlessness, stomach pain, muscular twitching or arms or legs.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

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Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Based on classification principles, the classification criteria are not met.

Reproductive Toxicity: May cause harm to breast-fed children.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information:
The Australian Acceptable Daily Intake (ADI) for beta-Cyfluthrin for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 1.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.
(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2023).

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:
Very toxic to aquatic life with long lasting effects.

CAS: 68359-37-5 beta-Cyfluthrin	
EC50/48 h	0.00029 mg/l (Daphnia magna (water flea))
EC50/72 h	>0.002 mg/l (Scenedesmus subspicatus (green algae))
LC50/96 h	0.000068 mg/l (Oncorhynchus mykiss (rainbow trout))
CAS: 26264-06-2 Calcium dodecylbenzenesulfonate	
EC50/48 h	2.5 mg/l (Crustacea)
EC50/96 h	2.736 mg/l (Algae)
LC50/96 h	1.67 mg/l (fish)
CAS: 95737-68-1 Pyriproxyfen	
EC50/48 h	0.4 mg/l (Daphnia magna (water flea))
EC50/72 h	0.15 mg/l (Selenastrum capricornutum (green algae))
LC50/96 h	>0.27 mg/l (Lepomis macrochirus (bluegill))

Persistence and Degradability: Active ingredient of this product (cyfluthrin) is persistent.

Bioaccumulative Potential: Active ingredient of this product (cyfluthrin) is bioaccumulative.

Mobility in Soil: Low mobility expected.

Other adverse effects: No further relevant information available.

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13 Disposal Considerations

Disposal Methods and Containers:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number ADG, IMDG, IATA	UN3082
Proper Shipping Name ADG, IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (beta-Cyfluthrin)
Dangerous Goods Class ADG Class:	9
Packing Group: ADG, IMDG, IATA	III
EMS Number:	F-A,S-F
Hazchem Code:	•3Z
Transport/Additional information:	Not subject to the ADG Code when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs. (refer to SP AU01)
Excepted quantities (EQ):	E1
Limited Quantities:	5L

15 Regulatory Information

Australian Inventory of Industrial Chemicals:
All components are on the inventory, or in compliance with the inventory.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6
Australian Pesticides and Veterinary Medicines Authority:
This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA approval number 84858.

16 Other Information

Date of Preparation or Last Revision: 09.05.2026

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Flammable Liquids 4: Flammable liquids – Category 4
Acute Toxicity (Oral) 2: Acute toxicity – Category 2
Acute Toxicity (Oral) 4: Acute toxicity – Category 4
Acute Toxicity (Inhalation) 3: Acute toxicity – Category 3
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Toxic To Reproduction - Lact.: Reproductive toxicity – effects on or via lactation
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020".
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