

DIMILIN® 2L

Infosafe No.: 3NUHS
ISSUED Date : 12/02/2026
ISSUED by: Nufarm NZ

Section 1 - Identification

Product Identifier

DIMILIN® 2L

Product Code

03502

Product Type

Insecticide

Company Name

Nufarm NZ

Address

Central Park, Building 3, Level 4, 666 Great South Road Ellerslie
Auckland 1051 New Zealand

Telephone/Fax Number

Tel: 0-9-270 4150

Emergency Phone Number

0800 651 911

Email

nzinfo@nufarm.com

Recommended uses and any restrictions on use or supply

An insect growth regulator which disrupts chitin deposition and prevents moulting of porina caterpillar, clover flea of pasture and sciarid fly of mushrooms.

Other Information

This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Eye irritation Category 2

Specific target organ toxicity – repeated exposure: Category 2

Hazardous to the aquatic environment acute Category 1

Hazardous to the aquatic environment chronic Category 1

Signal Word (s)

WARNING

Hazard Statement (s)

H319 Causes serious eye irritation

H373 May cause damage to organs through prolonged or repeated exposure

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement – General

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

Pictogram (s)

Health hazard, Environment



Precautionary Statement – Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands and face thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary Statement – Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

Precautionary Statement – Disposal

P501 Dispose of contents/container to an approved landfill.

Section 3 - Composition and Information on Ingredients

Chemical Characterization

Liquid

Ingredients

| Name | CAS | Proportion |
|--|------------|------------|
| Diflubenzuron | 35367-38-5 | 240 g/L |
| Ingredients determined to be non-hazardous | - | Balance |
| Petroleum distillates (Paraffinic) | - | 8-10 % w/w |

Section 4 - First Aid Measures

First-aid Measures

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.

Inhalation

Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

Ingestion

Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.

Skin

Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.

Eye

Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.

Remove contact lenses, if present and easy to do.

First-aid Facilities

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

Advice to Doctor

Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

Unsuitable Extinguishing Media

Do not use water in a jet.

Hazards from Combustion Products

Burning produces noxious and toxic fumes.

Special protective equipment for fire-fighters

Full protective clothing and self-contained breathing apparatus.

Specific Methods

Keep containers cool with water spray.

Do not allow washings to reach sewage or effluent systems.

Keep up wind.

Hazchem Code

3Z

Decomposition Temperature

Information is not available.

Other Information

Location Certificate: Not applicable

Hazardous Atmosphere Zone: Not applicable

Number of Fire Extinguishers: Not applicable

Section 6 - Accidental Release Measures

Spills and Disposal

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

Environmental Precautions

Prevent from entering drains, waterways or sewers.

Section 7 - Handling and Storage

Precautions for Safe Handling

The person mixing or applying Dimilin 2L must be a "Qualified Contractor" or a "Qualified Person". The spray mixture may also be prepared by a "Qualified Loader". It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017.

Avoid skin and eye contact and inhalation of spray mist.

This product must not be applied onto or into water.

CERTIFIED HANDLER: Is not required.

TRACKING: Is not required.

RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3L or more of Dimilin 2L is applied within 24 hours. Records must be kept for a minimum of 3 years from application date.

Conditions for safe storage, including any incompatibilities

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.

Stores containing 100L of Dimilin 2L require secondary containment and are subject to signage, and more than 100L require emergency response plans.

Keep out of reach of children.

Other Information

Always read the label and any attached leaflet before use.

Aggregate Storage Volume Thresholds:

When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limits (OEL)

No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

The following ADE, PDEs and TELs are set for diflubenzuron

ADE = 0.02 mg/kg

PDE food = 0.01 mg/kg bw/day

PDE drinking water = 0.004 mg/kg bw/day

PDE inhalation = 0.002 mg/kg bw/day

PDE dermal = 0.002 mg/kg bw/day

TEL air = 0.003 mg/m³

The following EEL are set for diflubenzuron:

EEL Marine Water = 0.0002 mg/L water

EEL Fresh Water = 0.00037mg/L water

Appropriate Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate.

In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment

cotton overalls buttoned to the neck and wrist,

safety goggles,

When opening the container, preparing spray and using the prepared spray wear

waterproof gloves,

and boots.

Hygiene Measures

Do not eat, drink or smoke while using.

Remove protective clothing and wash hands and face thoroughly before meals and after work.

Wash protective clothing daily after work.

Section 9 - Physical and Chemical Properties

| Properties | Description | Properties | Description |
|--|---|---------------------------|--|
| Form | Liquid | Appearance | Off-white to beige liquid. |
| Odour | Slight odour. | Decomposition Temperature | Information is not available. |
| Melting Point | 223.5-224.5°C for active ingredient diflubenzuron. | Boiling Point | 257°C/40.0kPa (tech.) for active ingredient diflubenzuron. |
| Solubility in Water | Disperses in water. | Specific Gravity | 1.10 |
| pH | 5.0 - 8.0 | Vapour Pressure | 1.2 x 10 ⁻⁴ mPa (25°C) for active ingredient diflubenzuron. |
| Vapour Density (Air=1) | Information is not available. | Odour Threshold | Information is not available. |
| Partition Coefficient: n-octanol/water | Kow logP = 3.8 (pH4) for active ingredient diflubenzuron. | Flash Point | 108°C |
| Flammability | Information is not available. | Auto-Ignition Temperature | Information is not available. |
| Flammable Limits - Lower | Information is not available. | Flammable Limits - Upper | Information is not available. |
| Kinematic Viscosity | Information is not available. | Particle Characteristics | Information is not available. |

Other Information

(SC) Suspension Concentrate

Section 10 - Stability and Reactivity

Chemical Stability

Stable under normal conditions of handling and storage.

Incompatible Materials

Oxidising agents

Strong acids and alkalis.

Hazardous Decomposition Products

Oxides of carbon, nitrogen and sulphur.
Hydrogen halides.

Hazardous Polymerization

Hazardous polymerisation will not occur.

Section 11 - Toxicological Information

Acute Toxicity - Oral

LD50(rat and mice) 4640 mg/kg for active ingredient diflubenzuron.

Acute Toxicity - Inhalation

LC50(rat) >2.88mg/L for active ingredient diflubenzuron.

Acute Toxicity - Dermal

LD50(rat) >10000mg/kg for active ingredient diflubenzuron.

Skin Corrosion/Irritation

Not classified as a skin irritant for active ingredient diflubenzuron.

Serious Eye Damage/Irritation

Causes serious eye irritation.

Skin Sensitisation

Not a skin sensitizer based on Buehler sensitisation test.

Germ Cell Mutagenicity

No evidence of mutagenicity.

Carcinogenicity

No evidence of carcinogenicity.

Reproductive Toxicity

No evidence of teratogenicity or reproductive toxicity.

STOT - Single Exposure

Information is not available.

STOT - Repeated Exposure

May cause damage to the blood system from prolonged or repeated oral exposure at high doses.

Aspiration Hazard

Information is not available.

Chronic Effects

The adsorption of this product into the body may lead to the formation of methaemoglobine that, in sufficient concentration, causes cyanosis.

Other Information

The Australian Acceptable Daily Intake (ADI) for diflubenzuron for a human is 0.02 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 2 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: Aust Govt Dept. of APVMA, "ADI List", Edition 1/2024).

Section 12 - Ecological Information

Persistence and degradability

Diflubenzuron rapidly degraded in soil under aerobic conditions, DT50 (20°C, pF2) 2-6.8days.

Mobility

Diflubenzuron is immobile to slightly mobile in soil.

Bioaccumulative Potential

Diflubenzuron is not bioaccumulative.

BCF = >100 for active ingredient diflubenzuron.

Acute Toxicity - Fish

LC50(96hr) for rainbow trout is 106.4mg/L for active ingredient diflubenzuron.

Acute Toxicity - Daphnia

EC50(48h) 0.0026mg/L for active ingredient diflubenzuron.

Acute Toxicity - Algae

NOEC for Selenastrum capricornutum 100mg/L for active ingredient diflubenzuron.

Acute Toxicity - Other Organisms

Birds: LD50 (14d) bobwhite quail and mallard ducks >5000mg/kg for active ingredient diflubenzuron.

Bees: Not hazardous to bees and predatory insects; LD50 (oral and contact) >100µg/bee for active ingredient diflubenzuron.

Worms: NOEC for Eisenia foetida >=780mg/kg substrate for active ingredient diflubenzuron.

Section 13 - Disposal Considerations

Product Disposal

Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal

Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

Section 14 - Transport Information

Transport Information

It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

UN Number

3082

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(diflubenzuron)

Hazard Class

9

Hazchem Code

3Z

Packaging Method

-

Packing Group

III

EPG Number

-

ANZ-ERG Guide Number

47

IMO Marine Pollutant

Yes. Environmentally Hazardous Substance mark required.

Other Information

Do not carry more than 1L of Dimilin 2L on a passenger service vehicle.

Section 15 - Regulatory Information

National and or International Regulatory Information

Registered pursuant to the ACVM Act 1997, No. P7723

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval Code HSR000953

See www.epa.govt.nz for approval controls.

Packaging and Labelling

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Section 16 - Any Other Relevant Information

Date of preparation or last revision of SDS

SDS Revised: February 2026

Supersedes: October 2024

Contact Person/Point

IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE

24Hr Tollfree Emergency No: 0800 651 911

24Hr Emergency No: National Poisons Centre Phone: 0800 764 766

Revisions Highlighted

The Hazchem code has been updated from 2X to 3Z to ensure full compliance with current transportation regulations.

END OF SDS

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