

Section 1 - Identification of The Material and Supplier

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Phone: 1300 449 255
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Chemical nature: Spray-On
Trade Name: DYFLY LONG BLOW Spray-On Sheep Blowfly Treatment
APVMA Code: 91462
Product Use: For the protection of sheep against fly strike (caused by dicyclanil- susceptible strains of blowflies (*Lucilia cuprina*), for up to 29 weeks. For the protection of mulesing and marking wounds on sheep against fly strike (caused by dicyclanil-suceptible strains of blowflies (*Lucilia cuprina*), during the wound healing process.
Creation Date: **November 2021**
This version issued: **November, 2021** and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification**Statement of Hazardous Nature**

This product is classified as: Classified as hazardous according to the criteria of SWA
Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

SUSMP Classification: None

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

**GHS Signal word: Warning**

Hazardous to the aquatic environment, acute hazard- Category 3

Hazardous to the aquatic environment, long-term hazard- Category 1

HAZARD STATEMENT:

H410: Very toxic to aquatic life with long lasting effects

PREVENTION

P273: Avoid release to the environment.

STORAGE

P410: Protect from sunlight.

P411: Store below 30°C (Room temperature).

P402+P404: Store in the closed container. Store in a dry and well-ventilated area.

DISPOSAL

P501: Dispose of contents and containers in accordance with local/regional/national/international regulations.

Emergency Overview

Physical Description & Colour: Pink solution.

Odour: No data.

Major Health Hazards: None

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SAFETY DATA SHEET

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Dicyclanil	112636-83-6	6.5	not set	not set
Other non-hazardous ingredients	Secret	To 100	Not set	Not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.

Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

Swallowed: Rinse mouth. Get medical attention if symptoms occur.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Section 5 - Fire Fighting Measures

Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Do not use water jet as an extinguisher, as this will spread the fire.

Fire / Explosion Hazards: Keep away from extreme heat and open flames.

Hazardous Combustion Products: During fire, gases hazardous to health may be formed.

Protective equipment and precautions for fire fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire Fighting Instruction: Move containers from fire area if you can do so without risk.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Method of Containment and Clean up Procedures

Prevent product from entering drains.

Large Spills: Stop the flow of material if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

Section 7 - Handling and Storage

Handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Storage: Store below 30°C (Room Temperature). Do not freeze. Protect from light. Store in original container tightly closed in a dry, cool place.

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Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501 set 2008**, Industrial Eye Protection: **AS1336 and AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits **TWA (mg/m³)** **STEL (mg/m³)**

The occupational exposure limit (OEL) for Dicyclanil is at 0.05 mg/m³, 8-hour TWA.

The ADI for Dicyclanil is set at 0.007mg/kg/b.w. The corresponding NOEL is set at 0.7mg/kg/b.w. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, December 2020.

Personal Protective Equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles). (AS/NZS 1337).

Skin protection/ Hand protection : Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. (AS/NZS 2161). Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, use respiratory equipment. (AS/NZS 1715)

Appropriate engineering controls: : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Pink Liquid.
Odour:	Slight
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	No data.
Water Solubility:	No data.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Chemical Stability: Material is stable under normal conditions.

Conditions to Avoid: Contact with incompatible materials.

Reactivity: The product is stable and non-reactive under normal conditions of use, storage, and transport.

Incompatibilities: Strong oxidising agents.

Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 - Toxicological Information

Acute Toxicity:

DICYCLANIL

Rat	Dermal	LD50	> 2000 mg/kg OECD Test Guideline 402
Rat	Inhalation	LD50	3184 mg/m ³ , 4 hours OECD Test Guideline 403
Rat	Oral	LD50	520 mg/kg OECD Test Guideline 401

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Eye: Based on available data, the classification criteria are not met.

Skin: Based on available data, the classification criteria are not met.

Inhalation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Results in genetic toxicity assays (in vitro) is Negative. In vivo micronucleus test is also Negative. Based on available data, the classification criteria are not met.

Carcinogenicity: No evidence for carcinogenicity in long term studies with rats and male mice. Liver tumors reported in female mice at high doses.

Reproductive toxicity: Delayed fetal development reported along with maternal toxicity.

Section 12 - Ecological Information

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

Species		Test Result
Earthworm (<i>Eisenia foetida</i>)	LC50	> 1000 mg/kg, 14 days
Mallard Duck (<i>Anas platyrhynchos</i>)	LC50	> 5000 ppm, 5 days
Trout	LC50	60 mg/l, 96 hours OECD Test
Mallard Duck (<i>Anas platyrhynchos</i>)	LD50	500 - 1620 mg/kg
Midge (<i>Chironomus riparius</i>)	NOEC	0.0025 mg/l, 28 days (water-spiked)
Sewage sludge (Aquatic)	EC50	> 100 mg/l, 3 hours
Green Algae (<i>Scenedesmus subspicatus</i>)	NOEC	9.6 mg/l, 72 hours
Water flea (<i>Daphnia magna</i>) (Crustacea)	EC50	1.1 mg/l, 48 hours OECD Test
Water flea (<i>Daphnia magna</i>)	NOEC	0.027 mg/l, 21 days 0.006 mg/l, 21 days
Bluegill (<i>Lepomis macrochirus</i>) (fish)	LC50	> 68 mg/l, 96 hours OECD Test

Persistence and degradability: Not readily degradable.

Bio accumulative potential

Partition coefficient n-octanol / water (log Kow)

DICYCLANIL	0.51 (pH 5) (25°C)
	0.68 (pH 5) (25°C)
	0.69 (pH 5) (25°C)

Mobility in soil: Not available

Section 13 - Disposal Considerations

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - Transport Information

No specific transport considerations apply since *DYFLY LONG BLOW SPRAY-ON SHEEP BLOWFLYTREATMENT FOR SHEEP* is NOT classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

CLASSIFIED AS DANGEROUS GOODS when transported by sea or air.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

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Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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