



# ***Di-Fly EXTRA SPRAY-ON BLOWFLY TREATMENT FOR SHEEP***

**Abbey Animal Health Pty Ltd**  
**SAFETY DATA SHEET**

## **Section 1- Identification of Product and Supplier**

**Supplier Company Details:** Abbey Animal Health Pty Ltd  
**Address:** 16 Voyager Circuit, Glendenning NSW 2761, Australia  
**Telephone Number:** 02 8088 0720  
**Facsimile Number:** 02 8088 0721

**Emergency Number:** Australian Poisons Information Centre: 13 11 26 (24 Hour service).

### **PRODUCT NAME**

*Di-Fly EXTRA SPRAY-ON BLOWFLY TREATMENT FOR SHEEP*

### **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-susceptible strains of blowflies (*Lucilia cuprina*)), during the wound healing process.

## **Section 2- Hazards Identification**

### **Statement of Hazardous Nature**

This product is classified as: Classified as hazardous according to the criteria of SWA.

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

**GHS Signal word:** Warning

### **GHS Classification:**

Hazardous to the aquatic environment, acute hazard- Category 3  
Hazardous to the aquatic environment, long-term hazard- Category 1

**Pictogram:**



### HAZARD STATEMENT(S)

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/container in accordance with local/regional/national/international regulations.

## Section 3- Composition / Information on Ingredients

### INGREDIENTS:

Chemical Name	CAS No.	Content (%)
DICYCLANIL	112636-83-6	6.5
Non-hazardous Ingredients	Secret	to 100

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

## Section 4- First Aid Measures

***Call Poisons Information Centre Phone Australia 131 126, if you feel that you may have been poisoned or irritated by this product.***

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

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

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

**Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

**Personal protection for first-aid responders:** Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## Section 5- Fire Fighting Measures

**Extinguishing Media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Do not use water jet as an extinguisher, as this will spread the fire.

**Fire and 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.

## Section 8 - Exposure Controls / 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/m<sup>3</sup>)**      **STEL (mg/m<sup>3</sup>)**

The occupational exposure limit (OEL) for Dicyclanil is at 0.05 mg/m<sup>3</sup>, 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**

**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.

#### ***Personal Protective Equipment***

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

**Skin/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)

**Thermal protection:** Not available.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## **Section 9 - Physical and Chemical Properties**

<b>Physical state</b>	Liquid
<b>Colour</b>	Pink
<b>Odour</b>	Slight
<b>pH</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	> 100.0 °C (> 212.0 °F)
<b>Solubility</b>	Not available

## 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.

**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.

**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 <sup>3</sup> , 4 hours OECD Test Guideline 403
Rat	Oral	LD50	520 mg/kg OECD Test Guideline 401

**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 *Di-Fly EXTRA SPRAY-ON BLOWFLY TREATMENT 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

**APVMA Approval Number:** 89723

**Approved pack size:** 800 mL, 5 L, 20 L, 25 L

*For more information, please refer to the APVMA approved product label*

### Section 16 – Other Information

*Abbey Animal Health Pty Ltd*

*Telephone Number: 02 8088 0720*

*Facsimile Number: 02 8088 0721*

**Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour service).**

*This Safety Data Sheet (SDS) summarizes our best knowledge of the health and safety hazard*

*First Effective Date: 4<sup>th</sup> of January 2021*

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*information of the product according to the GHS requirements 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.*

**\*Note: This SDS is valid for 5 years from the effective date.**