

**Four Seasons Agribusiness Pty Ltd**  
**SAFETY DATA SHEET****Section 1- Identification of Product and Supplier**

**Supplier Company Details:** Four Seasons Agribusiness Pty Ltd

**Address:** 287 Boorowa Street, Young NSW 2594

**Telephone Number:** (02) 6382 6622

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

**PRODUCT NAME**

*DYFLY QUICK BLOW 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 11 weeks. For the protection of marking wounds on sheep against fly strike caused by dicyclanil-susceptible strains of blowflies (*Lucilia cuprina*).

**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:** None.

**GHS Classification:**

Category 2-Hazardous to the Aquatic Environment, long-term hazard.

**Pictogram:****HAZARD STATEMENT:**

H412: Harmful to aquatic life with long-lasting effects.

## PREVENTION

P273: Avoid release to the environment.

## RESPONSE

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P391: Collect spillage.

## DISPOSAL

P501: Dispose of contents and containers as specified on the registered label.

### Section 3- Composition / Information on Ingredients

#### INGREDIENTS:

Chemical Name	CAS No.	Conc., %
Dicyclanil	112636-83-6	1.25%
Other non-hazardous ingredients	Secret	to 100

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

### 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.***

**Swallowed:** Rinse mouth.do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

**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.

**Inhaled:** 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 (CO<sub>2</sub>).

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

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

**Firefighting equipment/instructions:** Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

## Section 6 - Accidental Release Measures

**Accidental release:** 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. Keep unnecessary personnel away.

**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.

**Methods and materials for containment and cleaning up:** Prevent product from entering drains.

## 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:** KEEP OUT OF REACH OF CHILDREN.

Store below 30°C (Room Temperature). Protect from frost. Store in original container tightly closed in a dry, cool place. DO NOT store in direct sunlight.

## 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>)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

The ADI for Dicyclanil is set at 0.007mg/kg/day. The corresponding NOEL is set at 0.7mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, March 2016.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

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

**Skin Protection:** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. (AS/NZS 2161)

**Respirator:** In case of insufficient ventilation, wear suitable respiratory equipment. (AS/NZS 1715).

## Section 9 - Physical and Chemical Properties

<b>Description &amp; colour:</b>	Green liquid suspension.
<b>Odour:</b>	No data.
<b>Boiling Point:</b>	Not available.
<b>Freezing/Melting Point:</b>	No specific data.
<b>Volatiles:</b>	No data.
<b>Vapour Pressure:</b>	No data.
<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	1.00-1.03 g/cm <sup>3</sup>
<b>pH:</b>	No data.
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.

## Section 10 - Stability and Reactivity

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

**Chemical stability:** Material is stable under normal conditions.

**Conditions to Avoid:** Contact with incompatible materials.

**Incompatibilities:** strong oxidising agents.

**Fire Decomposition:** No hazardous decomposition products are known.

## Section 11 - Toxicological Information

## Dicyclanil:

### Acute:

Components	Species	Test Results
LD50 (Oral),	Rat	520mg/kg
LD50 (Dermal),	Rat	>2000mg/kg
LD50 (Inhalation),	Rat	3184 mg/m <sup>3</sup> , 4 hours

### LOCAL EFFECTS:

**Skin corrosion/irritation:** Rabbit: No irritation. (Dicyclanil) Based on available data, the classification.

**Serious eye damage/irritation:** Rabbit: No irritation (Dicyclanil).

**Respiratory sensitisation** Due to lack of data the classification is not possible.

**Skin sensitisation:** Guinea pig: Not a skin sensitiser. (Dicyclanil) Based on available data, the classification criteria.

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

**Reproductive toxicity:** Delayed fetal development reported along with maternal toxicity. (Dicyclanil) Based on available data, the classification criteria are not met.

## Section 12 - Ecological Information

**Ecotoxicity:** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
DICYCLANIL			
	LC50	Earthworm ( <i>Eisenia foetida</i> ) Mallard Duck ( <i>Anas platyrhynchos</i> ) Trout	> 1000mg/kg, 14 days > 5000ppm, 5 days 60 mg/l, 96 hours
	LD50	Mallard Duck ( <i>Anas platyrhynchos</i> )	500 -1620 mg/kg
	NOEC	Midge ( <i>Chironomus riparius</i> )	0.0025 mg/l, 28 days (water-spiked)
<b>Aquatic</b>			
	EC50	Sewage sludge	> 100 mg/l, 3 hours
Algae	EbC50	Green Algae ( <i>Scenedesmus subspicatus</i> )	24mg/l, 72 hours
	NOEC	Green Algae ( <i>Scenedesmus subspicatus</i> )	9.6 mg/l, 72 hours
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	1.1 mg/l, 48 hours

	NOEC	Water flea ( <i>Daphnia magna</i> )	0.027mg/l, 21 days
			0.006 mg/l, 21 days
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	> 68 mg/l, 96 hours

**Bioaccumulative potential (DICYCLANIL)**

**Partition coefficient**

<b>n-octanol / water (log Kow)</b>	0.51 (pH 5) (25°C)
	0.68 (pH 5) (25°C)
	0.69 (pH 5) (25°C)

**ENVIRONMENTAL PROTECTION**

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.

**Section 13 - Disposal Considerations**

**Disposal Information:** Dispose of any clean-up materials according to local regulations.

**Disposal:** Triple-rinse container and dispose of rinsate in compliance with relevant local, state or territory government regulations. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean container to recycler or designated collection point. If not recycling, break, crush, or puncture container and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the broken, crushed or punctured containers 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

**Section 14 - Transport Information**

**Dangerous Goods Class and Subsidiary Risk:** None allocated.

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

**Section 15 - Regulatory Information**

**Poisons Schedule:** S0

**APVMA Approval Number:** 92553/135885

**Approved Pack Sizes:** 1L, 5L, 20L and 22L.

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

## Section 16 – Other Information

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*This Safety Data Sheet (SDS) summarizes 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.*

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