

Safety Data Sheet

according to WHS Regulations

Printing date 07.03.2018

Revision: 07.03.2018

1 Identification

Product Name: DEFEND SPRAY-ON SHEEP BLOWFLY TREATMENT

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Agricultural insecticide for protection against fly strike in sheep.

Details of Manufacturer or Importer:

Landmark Operations Limited
Suite 3, Level 1, Building B
11 Talavera Road
Macquarie Park NSW 2113

Phone Number: 02 9889 5400

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

| | | |
|-------------|--|----|
| 112636-83-6 | 4,6-diamino-2-(cyclopropylamino)-5-pyrimidinecarbonitrile | 5% |
| | ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332 | |

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 symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

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Symptoms Caused by Exposure:

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

5 Fire Fighting Measures**Suitable Extinguishing Media:**

Use fire extinguishing methods suitable to surrounding conditions.

Water fog or fine spray, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

This product is not flammable, but may generate noxious or irritating fumes if involved in a fire.

Containers close to fire should be removed if safe to do so.

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.

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. Flush contaminated area thoroughly with water.

Small spills can be wiped up with clean rags or paper towels.

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. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. 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 container tightly closed when not in use. Protect from extreme temperatures and direct sunlight. Store below 30 °C. Protect from frost. Keep away from strong oxidising agents.

Do not reuse containers.

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:** Respiratory protection is not required under normal use conditions.

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Skin Protection:

Chemical resistant PVC or rubber gloves should be used when handling large quantities. 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:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

| | |
|---|---------------------------|
| Form: | Liquid |
| Colour: | Clear red |
| Odour: | No information available |
| Odour Threshold: | No information available |
| pH-Value: | <7 |
| Melting point/freezing point: | No information available |
| Initial Boiling Point/Boiling Range: | No information available |
| Flash Point: | >61 °C (Closed Cup) |
| Flammability: | Product is not flammable. |
| 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 |
| Relative Density: | >1 |
| Vapour Density: | No information available |
| Evaporation Rate: | No information available |
| Solubility in Water: | Soluble |
| Partition Coefficient (n-octanol/water): | No information available |
| Viscosity: | No information available |

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

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

Conditions to Avoid: Extreme temperatures and direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Noxious or irritating fumes.

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11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****112636-83-6 4,6-diamino-2-(cyclopropylamino)-5-pyrimidinecarbonitrile**

| | | |
|------------|------------------|-------------------------------|
| Oral | LD ₅₀ | 500 mg/kg (rat) |
| Dermal | LD ₅₀ | >2,000 mg/kg (rabbit) |
| Inhalation | LC ₅₀ | 3,400 mg/m ³ (rat) |

Acute Health Effects**Inhalation:** No information available**Skin:** May cause skin irritation.**Eye:** May cause eye irritation.**Ingestion:** No information available**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**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:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

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

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

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

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 dicyclanil for a human is 0.007 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.7 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', 2018).

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:****112636-83-6 4,6-diamino-2-(cyclopropylamino)-5-pyrimidinecarbonitrile**

| | |
|------------------------|-----------------------|
| EC ₅₀ /48 h | 1.1 mg/l (crustacea) |
| EC ₅₀ /96 h | 14,201.4 mg/l (algae) |
| LC ₅₀ /96 h | 2,018.5 mg/l (fish) |

Persistence and Degradability: Dicyclanil has high persistence in water and soil.

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Bioaccumulative Potential: Dicyclanil has a low potential for bioaccumulation.**Mobility in Soil:** Dicyclanil has low mobility in soil.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: 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 Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory Information

Australian Inventory of Chemical Substances: This chemical is not found in AICS.**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 07.03.2018**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: 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)

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

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 - February 2016"

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