

# SAFETY DATA SHEET

## Magnum®

Page 1 of 5

### Section 1: Identification of the Substance and Supplier

**Product name** **Magnum**  
Solution containing 1.7 - 3.2% diflubenzuron

**Recommended use** Fly and Lice pour-on for sheep

**Company details** **Coopers, 33 Whakatiki Street, Upper Hutt**  
**Phone: 0800 800 543 Fax: 0800 808 100**  
**Website: www.coopersonline.co.nz**  
**Hours 8 am – 5 pm, Mon – Fri**

**Emergency telephone** **0800 764 766 (0800 POISON) 24 hours human health**  
**0800 243 622 (0800 CHEMCALL) 24 hours**

**Date of preparation** September 2011

### Section 2: Hazards Identification

**Hazard classifications** 6.9B, 9.1A

**Priority identifiers** **WARNING**  
**Ecotoxic**

**Secondary identifier** 6.9B May causes damage to blood and the haematopoietic system from repeated oral exposure at high doses.  
9.1A Very toxic to aquatic organisms with long lasting effects

**Risk & Safety Phrases** R50 Very toxic to aquatic organisms

### Section 3: Composition/Information on Ingredients

| Chemical name           | CAS number | Concentration |
|-------------------------|------------|---------------|
| Diflubenzuron           | 35367-38-5 | 2.5%          |
| Propylene Glycol        | 57-55-6    | <10%          |
| Nonyl Phenyl Ethoxylate | 9016-45-9  | <10%          |

### Section 4: First Aid Measures

#### Necessary first aid measures

**INHALATION** Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a doctor.

**SKIN CONTACT** While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

**EYE CONTACT** Immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

# SAFETY DATA SHEET

## Magnum®

Page 2 of 5

**INGESTION** Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

|                                    |   |
|------------------------------------|---|
| <b>Required instructions</b>       | For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.  |
| <b>Notes for medical personnel</b> | Inhalation: remove to fresh air & provide oxygen if breathing is difficult              |
| <b>Workplace facilities</b>        | Emergency showers and eyewashes may be warranted depending on quantity and type of use. |

### Section 5: Fire Fighting Measures

|  |  |
|--|--|
| <b>Type of hazard</b>                  | Not classified as flammable  |
| <b>Fire hazard properties</b>          | Not applicable   |
| <b>Regulatory requirements</b>         | Not applicable   |
| <b>Extinguishing media and methods</b> | Water, carbon dioxide (CO <sub>2</sub> ), foam, or dry chemical.             |
| <b>Hazchem code</b>                    | 3Z (Contain spillage)  |
| <b>Recommended protective clothing</b> | Wear full protective clothing and self-contained breathing apparatus (SCBA). |

### Section 6: Accidental Release Measures

|                             |  |
|-----------------------------|--|
| <b>Emergency procedures</b> | Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal. Avoid contamination of any water source or soil with product or empty container. |
|-----------------------------|--|

### Section 7: Handling and Storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance. |
| <b>Regulatory requirements</b>       | Signage required where quantities greater than 100L are present. Emergency Plan required where quantities greater than 100L are present.   |
| <b>Handling practices</b>            | Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.  |
| <b>Approved handlers</b>             | Not required.  |
| <b>Conditions for safe storage</b>   | Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children.                     |
| <b>Store site requirements</b>       | Store in a cool dry place at 5 - 30°C.   |
| <b>Packaging</b>                     | PG III   |

# SAFETY DATA SHEET

## Magnum®

Page 3 of 5

### Section 8: Exposure Control/Personal Protection

|   |  |
|---|--|
| <b>Workplace exposure standards</b>             | Propylene glycol: TWA 150ppm 474mg/m <sup>3</sup>  |
| <b>Application in the workplace</b>             | Ensure adequate ventilation. Keep container sealed when not in use.  |
| <b>Exposure standards outside the workplace</b> | No TEL or EEL is set for this substance at this time   |
| <b>Personal protection</b>                      | Wear chemical resistant gloves, facemask or goggles.   |
| <b>Engineering controls</b>                     | The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment. |

### Section 9: Physical and Chemical Properties

|                               |                                |
|-------------------------------|--------------------------------|
| Appearance                    | Purple/blue aqueous suspension |
| Boiling Point                 | 100°C                          |
| Melting/Softening point       | Not applicable                 |
| Vapour Pressure               | Not determined                 |
| Specific Gravity              | 1.036 at 20°C                  |
| Solubility (H <sub>2</sub> O) | Emulsifiable                   |
| Percent Volatiles             | Not determined                 |
| Evaporation Rate              | Not determined                 |

### Section 10: Stability and Reactivity

|   |                                   |
|---|-----------------------------------|
| <b>Stability of the substance</b>       | Stable under normal conditions.   |
| <b>Conditions to avoid</b>              | Avoid high temperatures           |
| <b>Material to avoid</b>                | None                              |
| <b>Hazardous decomposition products</b> | Carbon oxides (CO <sub>x</sub> ). |

# SAFETY DATA SHEET

## Magnum®

Page 4 of 5

### Section 11: Toxicological Information

#### Acute effects for individual ingredient only

|     |  |
|-----|--|
| TEL | No TEL is set for this substance at this time. |
|-----|--|

#### Chronic/long term effects for individual ingredient only

Diflubenzuron: Mild eye irritant in rabbit [REDS]

Diflubenzuron: In a 13-week feeding study technical grade diflubenzuron was administered in the diet to beagle dogs at dose levels of 0 (control), 10, 20, 40 or 160 ppm (equal to 0, 0.42, 0.84, 1.64 or 6.24 mg/kg/day).

Ophthalmoscopic examinations were negative. Methemoglobinemia was observed in the dogs at 6.24 mg/kg/day (after 6 weeks). No gross necropsy, organ weight or histopathological changes were reported at any level that could be related to treatment. The NOEL is 1.64 mg/kg/day. The LEL is 6.24 mg/kg/day, based on increased methemoglobinemia. (MRID 00038706) [REDS]

### Section 12: Environmental Information

#### Effects for individual ingredient only

|         |   |
|---------|---|
| AQUATIC | Diflubenzuron: Cutthroat trout <i>Oncorhynchus clarki</i> 96 hr LC50 57ppm [EPA PESTICIDES DB], <i>Daphnia magna</i> Technical 43665801 Toxic 48hr LC50 = 3.7ppb Very Highly [REDS] |
|---------|---|

|     |   |
|-----|---|
| EEL | No EEL is set for this substance at this time |
|-----|---|

### Section 13: Disposal Considerations

#### Disposal information

#### Disposal

Dispose of unused product through Agrecovery Chemicals. Avoid contamination of any water source or environment with product or empty container.

#### Container Disposal

Triple rinse empty container, puncture and recycle through Agrecovery. Do NOT burn.

#### Reference

Current version of NZS 8409 Management of Agrichemicals

### Section 14: Transport Information

#### Relevant information

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Diflubenzuron) Marine Pollutant  
Class 9 PG III  
Limited quantities: 5L  
Maximum quantity for own agricultural use: 1000L

#### Other requirements

Refer to Haznote.

# SAFETY DATA SHEET

## Magnum®

Page 5 of 5

### Section 15: Regulatory Information

|                               |  |
|-------------------------------|--|
| <b>Regulatory status</b>      | HSNO Approval Code: HSR001828.<br>For a full listing of controls see <a href="http://www.epa.govt.nz">www.epa.govt.nz</a><br><br>ACVM registration number: A7704.<br>For conditions of registration see <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> |
| <b>HSNO and ACVM controls</b> | <b>Signage:</b> 100 Litres<br><b>Emergency Plan:</b> 100 Litres  |

### Section 16: Other Information

**Additional information**      Magnum is a registered trademark.

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