SAFETY DATA SHEET

Magnum

Section 1: Identification of the Substance and Supplier

Product name **Magnum**

Recommended use Fly and lice pour-on for sheep

Company details

Schering-Plough Animal Health Ltd
33 Whakatiki Street, Upper Hutt 5018, New Zealand

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 April 2019

Section 2: Hazards Identification

Hazard classifications

6.9B: Target organ systemic toxicant
9.1A: Aquatic ecotoxicant

GHS Pictogram:

Signal word Warning

Hazard statement

H373: May causes damage to blood and the haematopoietic system through prolonged or repeated oral exposure.
H410: Very toxic to aquatic life with long lasting effects.

Prevention statement

P102: Keep out of the reach of children.
P103: Read label before use.
P260: Do not breathe mist.
P273: Avoid release to the environment.

Response statement

P314: Get medical advice/attention if you feel unwell.
P391: Collect spillage.

Disposal

P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

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

Section 5: Fire Fighting Measures

Type of hazard	Not classified as flammable
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	Water, carbon dioxide (CO_2), foam, or dry chemical.
Hazchem code	3Z (Contain spillage)
Recommended protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Personal Precautions	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
Emergency procedures	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

Precautions for safe handling	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.
Regulatory requirements	Signage required where quantities greater than 100L are present. Emergency Plan required where quantities greater than 100L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Certified handlers	Not required.
Conditions for safe storage	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.
Store site requirements	Store in a cool dry place at 5 ºC - 30ºC.
Packaging	PG III

Section 8: Exposure Control/Personal Protection

Occupational exposure limits	Propylene glycol: TWA 150ppm 474mg/m3
Application in the Workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL is set for this substance at this time. No EEL is set for this substance at this time.
Personal protection	Wear chemical resistant gloves, facemask or goggles.
Engineering controls	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
Odour	No information available
Odour threshhold	No information available
pH	No information available
Melting point/freezing	No information available

point	
Initial boiling point and boiling range	100°C
Flash point	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapour pressure	No information available
Vapour density	No information available
Relative density	1.036 at 20°C
Solubility (ies)	Water: Emulsifiable
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	Avoid high temperatures
Material to avoid	Avoid food products
Hazardous decomposition products	Carbon oxides (COx).

Section 11: Toxicological Information

Effects for individual ingredients only

Acute toxicity	(Oral) Diflubenzuron: (Rat) LD50: > 4640mg/kg (Inhalation) Diflubenzuron: (Rat) LC50-6 hours: > 35mg/L
Aspiration hazard	No information available
Respiratory irritation	No information available
Skin corrosion/irritation	No information available
Serious eye damage/ irritation	Diflubenzuron: (Rabbit) Irritant [EPA NZ]
Respiratory or skin sensitisation	No information available

Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
Specific organ toxicity	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. [EPA NZ]
Narcotic effects	No information available

Section 12: Ecological Information

Effects for individual ingredients only

Aquatic	Diflubenzuron: (Crustacean) Daphnia magna: LC50- 48 hr: 3.7ppb (= 0.0037 mg/l) (Fish) Cutthroat trout (Oncorhynchus clarki): LC50- 96 hr: 57ppm (= 57 mg/l) [EPA NZ]
Terrestrial	Diflubenzuron: (Rat) –Oral -LD50: > 4640mg/kg
Persistence and degradability	Diflubenzuron: Rapidly Degradable: No
Bioaccumulative	Diflubenzuron: No
Mobility in soil	No information available
Other adverse effects	No information available

Section 13: Disposal Considerations

Disposal information	**Disposal** Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container. **Container Disposal** Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.
Reference	Current version of NZS 8409 Management of Agrichemicals

Section 14: Transport Information

UN Number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diflubenzuron)
UN dangerous goods class and subsidiary risk	9
UN Packaging Group	PG III
Environmental hazards	Marine pollutant
Special precautions when transporting the substance	

Section 15: Regulatory Information

Regulatory status

HSNO Approval Code: HSR001828
For a full listing of controls see www.epa.govt.nz

ACVM registration number: A007704
For conditions of registration see www.foodsafety.govt.nz

Section 16: Other Information

Additional information Magnum is a registered trademark.