

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	Fleecemaster
Product code:	A007849
Recommended use:	For the control of blowfly strike and lice on sheep, including lice resistant to synthetic pyrethroids and flies resistant to organophosphates.
Company details:	Boehringer Ingelheim Animal Health New Zealand Limited
Address:	Level 3, Boehringer Ingelheim Building 2 Osterley Way Manukau City Auckland 2104 New Zealand
Telephone number:	Phone: +64 9 263 1400
Emergency telephone number:	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre : 0800 764 766 (0800 POISON) Fire Service, Ambulance : Dial 111
Date of issue:	4 April 2006
Date of review:	4 February 2020

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	Liquid	
Product components:		
<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Diflubenzuron	35367-38-5	250 g/L
Other		to 1 L

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications:	6.4A, 6.5B, 6.9B, 9.1A
Priority and secondary identifiers:	WARNING Dangerous to the environment
Risk and safety phrases:	6.4A May cause eye irritation. Avoid contact with eyes. 6.5B Repeated exposure may cause skin allergy. Avoid skin contact. 6.9B Diflubenzuron possibly may affect the blood and haematopoietic system. Handle with care. 9.1A Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately. <u>Ingestion</u> : If swallowed, seek medical attention. Do NOT induce vomiting. <u>Eyes</u> : If splashed in eyes, wash out immediately with water. <u>Skin</u> : If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. <u>Inhalation</u> : Remove to fresh air.
Workplace facilities:	No special facilities required.
Required instructions:	Observe good work practices and avoid skin contact. Wash hands

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and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing, and before each reuse.

Notes for medical personnel: Apply symptomatic therapy (no specific antidote). Note the nature of the product.

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard: Non flammable, Non combustible, Non explosive

Fire hazard properties: Fleecemaster is not classified as flammable, and will not support combustion. Hazardous fumes when heated to decomposition.

Regulatory requirements: Not applicable

Extinguishing media and methods: Treat the fire as for the other materials present. Do not allow water to enter drains.

Hazchem code: 2X

Recommended protective clothing: When fighting a major fire wear full protective clothing including breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures: Wear suitable protective clothing. Restrict access to contaminated area. Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Apply with well-maintained and calibrated equipment. Handle with care.

Regulatory requirements: N/A

Handling practices: N/A

Approved handlers: Not required

Conditions for safe storage: Store below 30 °C in the closed original container in a dry, well-ventilated area. Do not store for prolonged periods in direct sunlight. Keep out of reach of children.

Store site requirements: This substance is subject to a requirement for an emergency management plan, containment and signage, whenever it is held in quantities of 100 L or more. See Hazardous Substances (Emergency management) regulations 25 to 42.

Packaging: Packaging Schedule 3 (UN Packing Group III) for quantities >5 L (Hazardous Substances Packaging Regulations 2001).

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards: Dusts 10 mg/m³

Application in the workplace: Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent skin contact.

Exposure standards outside the workplace: TEL: Diflubenzuron, 0.045 mg/m³ air
EEL: Diflubenzuron, 0.0002 mg/l water
EEL: Diflubenzuron, application rate 40 g/ m³ in compost

Engineering controls: Ensure that ventilation maintains dust levels below WES.

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Personal protection:	Clothing should consist of overalls with long sleeves and impervious gloves.
References:	N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data:	<u>Formulation type:</u> Suspension <u>Appearance:</u> Off-white to light tan liquid <u>Specific gravity:</u> ~1.05 – 1.16 g/mL <u>pH:</u> ~3.0 – 4.5 <u>Vapour Pressure:</u> NA <u>Solubility in Water:</u> [diflubenzuron] insoluble
Required specifications:	N/A
Further specifications:	N/A
Specific advice:	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable under normal conditions of use and storage.
Conditions to avoid:	No specific conditions to avoid.
Material to avoid:	No specific materials to avoid.
Hazardous decomposition products:	No hazardous products are expected, except when heated to decomposition.
Hazardous polymerization:	Components are not expected to form hazardous polymers.
Specific data:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation:	May cause eye irritation. Repeated exposure may cause skin allergy. Diflubenzuron possibly may affect the blood and haematopoietic system
Summaries data:	<u>Diflubenzuron:</u> Low acute toxicity [LD ₅₀ (oral) > 4.64 g/kg; LD ₅₀ percutaneous >2 g/kg]. A mild eye irritant. Repeated oral dose studies in laboratory species showed a consistent dose related increase in methaemoglobin and sulfahaemoglobin in blood, a fall in erythrocyte, PCV and haemoglobin levels and a dose related increase in spleen and liver weights. In a chronic feeding study (dogs) methaemoglobinaemia was observed after 6 weeks (LOAEL 6.24 mg/kg/d).

SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:	Very toxic to aquatic organisms
Data organisation :	<u>Diflubenzuron:</u> Insecticidal activity is due to inhibition of chitin synthesis (preventing juvenile stages from reaching adulthood). Toxicity to mammals and birds in low (LD ₅₀ values in the range of 4.5 to 10 g/kg). Diflubenzuron is particularly harmful to aquatic species with larval stages involving chitin, such as copepods, diaptomus species, cladocerans and amphipods [LC ₅₀ Cut throat trout 57 mg/L/96 hr; LC ₅₀ <i>Daphnia magna</i> 0.0031 mg/L/48 hr]. Rapidly degraded in soil and water.
Environmental risk and safety phrases:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diflubenzuron)

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information :	Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Burn empty container in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill. Do NOT use container for any other purpose.
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SECTION 14: TRANSPORT INFORMATION

Relevant information:	Dangerous Goods for transport. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diflubenzuron) UN Number: 3082 Dangerous Goods Class: 9
Other requirements:	The maximum quantity per package of this substance allowed for carriage on public transport is 1 L. N/A

SECTION 15: REGULATORY INFORMATION

Regulatory status:	Registered pursuant to the ACVM Act 1997, No. A007849 See www.foodsafety.govt.nz for registration conditions
	Approved pursuant to the HSNO Act, Approval Code HSR001833 See www.epa.govt.nz for approval conditions
HSNO and ACVM controls:	SDS is required for quantities greater than or equal to 1 L Refer to Section 3
List exposure limits:	N/A

SECTION 16: OTHER INFORMATION

Additional information:	For product information visit the Boehringer Ingelheim website www.boehringer-ingelheim.co.nz While the information set forth is believed to be accurate as of the date hereof, BOEHRINGER INGELHEIM makes no warranty with respect hereto and disclaims all liability from reliance thereon.
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