

Fleececare<sup>®</sup>

Page 1 of 5

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

<b>Product name</b>	<b>Fleececare</b> Liquid containing 20 – 30% diflubenzuron
<b>Recommended use</b>	Prevention of blowfly strike and lice on sheep
<b>Company details</b>	<b>Intervet/Schering-Plough Animal Health Limited</b> <b>33 Whakatiki Street, Upper Hutt</b>  Phone: 0800 800 543, Fax 0800 808 100 Website: <a href="http://www.intervet.co.nz">www.intervet.co.nz</a> Hours 8am – 5 pm, Mon – Fri
<b>Emergency telephone</b>	<b>0800 764 766 (0800 POISON) 24 hours human health</b> <b>0800 243 622 (0800 CHEMCALL) 24 hours</b>
<b>Date of preparation</b>	May 2009

**Section 2: Hazards Identification**

<b>Hazard classifications</b>	6.4A, 6.9B, 9.1A
<b>Priority identifiers</b>	<b>Warning</b> <b>Ecotoxic</b>
<b>Secondary identifier</b>	6.4A May cause eye irritation 6.9B May cause damage to the blood and the haematopoietic systems through prolonged or repeated oral exposure at high doses. 9.1A Very toxic to aquatic life with long lasting effects
<b>Risk &amp; Safety Phrases</b>	R50 Very toxic to aquatic organisms

**Section 3: Composition/Information on Ingredients**

<b>Chemical name</b>	<b>CAS number</b>	<b>Concentration</b>
Diflubenzuron	35367-38-5	25%

**Section 4: First Aid Measures****Necessary first aid measures**

**INHALATION:** Remove to fresh air and provide oxygen if necessary. 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:** In case of 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:** In case of 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.

**Fleececare<sup>®</sup>**

Page 2 of 5

<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>	Treat symptomatically. Gastric lavage with medicinal charcoal in water is recommended. Show this SDS to the doctor.
<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>	Foam, carbon dioxide or dry chemical.
<b>Hazchem code</b>	3Z (Contain spillage)
<b>Recommended protective clothing</b>	Wear self-contained breathing apparatus (SCBA) plus protective gloves.

**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>	Exercise normal care in handling. Avoid contact with skin and eyes. Avoid breathing mist or vapours. Keep containers tightly closed when not in use.
<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 tightly closed and in a dry, well ventilated, away from sunlight. Store away from food, drink, and animal feedstuffs. Keep away from heat or moisture. Store below 30°C.
<b>Store site requirements</b>	Store in a cool, dry, well ventilated area. Store between 5 and 25°C.
<b>Packaging</b>	PG III

Fleececare<sup>®</sup>

### Section 8: Exposure Control/Personal Protection

<b>Workplace exposure standards</b>	No exposure standards set.
<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 is set for this substance at this time No 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	White to off-white lemon scented liquid
Boiling Point	99°C
Melting/Softening point	Not applicable
Vapour Pressure	Very low
Specific Gravity	1.04 @ 20°C
Solubility (H <sub>2</sub> O)	Dispersible
Percent Volatiles	No information available
Evaporation Rate	No information available

### Section 10: Stability and Reactivity

<b>Stability of the substance</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures, avoid freezing.
<b>Material to avoid</b>	Avoid food products
<b>Hazardous decomposition products</b>	Carbon oxides (CO <sub>x</sub> ),

Fleececare<sup>®</sup>

### Section 11: Toxicological Information

#### Acute effects for individual ingredients only

ORAL	Diflubenzuron: LD <sub>50</sub> (rat) > 4640mg/kg
DERMAL	Diflubenzuron: LD <sub>50</sub> (rat) > 10000mg/kg
INHALATION	Diflubenzuron: LC <sub>50</sub> (rat) > 35mg/L – 6 hours
TEL	No TEL is set for this substance at this time.

#### Chronic/long term effects for individual ingredients 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 ingredients only.

AQUATIC	Diflubenzuron: Cutthroat trout <i>Oncorhynchus clarki</i> 96 hr LC <sub>50</sub> 57ppm [EPA PESTICIDES DB], <i>Daphnia magna</i> Technical 43665801 Toxic 48hr LC <sub>50</sub> = 3.7ppb Very Highly [REDS] Oral LC <sub>50</sub> (rainbow trout) = 240mg/L (96hr) Oral LC <sub>50</sub> (bluegill) = 660mg/L (96hr) Oral LC <sub>50</sub> (saltwater minnow) = 660mg/L (96hr)
EEL	No EEL is set for this substance at this time.

### Section 13: Disposal Considerations

<b>Disposal information</b>	<p><b>Disposal</b> Dispose of this product only by using according to the label, or at an approved landfill, or other approved facility. Avoid contamination of any water source or the environment with product or empty container.</p> <p><b>Container Disposal</b> Triple rinse empty container, puncture and recycle at Agrecovery or crush/puncture empty container and bury in an approved landfill.</p>
<b>Reference</b>	Current version of NZS 8409 Management of Agrichemicals

### Section 14: Transport Information

<b>Relevant information</b>	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diflubenzuron) Class 9 PG III Limited quantities: 5L Maximum quantity for own agricultural use: 250L
<b>Other requirements</b>	Refer to Haznote.

**Fleececare<sup>®</sup>**

Page 5 of 5

**Section 15: Regulatory Information**

<b>Regulatory status</b>	HSNO Approval Code: HSR002398. For a full listing of controls see <a href="http://www.ermanz.govt.nz">www.ermanz.govt.nz</a> ACVM registration number: A07548. For conditions of registration see <a href="http://www.nzfsa.govt.nz/acvm">www.nzfsa.govt.nz/acvm</a>
<b>HSNO and ACVM controls</b>	<b>Signage:</b> 100 Litres <b>Emergency Plan:</b> 100 Litres

**Section 16: Other Information**

**Additional information** Fleececare is a registered trademark of Intervet Limited

Schering-Plough Animal Health Limited urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Schering-Plough Animal Health Limited extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).