



MATERIAL SAFETY DATA SHEET

Unlock Concentrate

Issue date: August 22, 2021 Review date: August 22, 2024

SECTION 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product name: UNLOCK CONCENTRATE

Recommended Use: Animal ectoparasite life cycle inhibitor. For the control and treatment of lice (*Bovicola ovis*) and the control of blowfly (including *Lucilia cuprina*).

Company address: Animal Health Direct Ltd
2 Tumu Way, Longlands
Hastings 4175
New Zealand
Phone (06) 873 3611

Emergency Tel. no.: Craig Elstob
Director Agvet NZ Ltd
027 432 3953.

Poisons Information Centre: 0800-764-766
Or CHEMCALL 0800-243-622 24hr emergencies only

Transport Emergency 111 Fire and police

SECTION 2: HAZARD IDENTIFICATION

2.1 GHS Pictograms:



EPA HSR 0002398

2.2 EPA Hazard Classn. 6.1D, 6.3B, 6.4A, 6.9B, 9.1A, 9.2C, 9.3C, 9.4A

SECTION 3: COMPOSITION INFORMATION

Chemical Entity	CAS Number.	Proportion
*Diflubenzuron	35367-38-5	25%
Water	7732-18-5	41%
Dispersing, wetting and stabilising agents+		34%

* Active Constituent

+ Confidential manufacturing information

SECTION 4: FIRST AID MEASURES

First aid:

- 4.1 Eyes – Wash with copious amounts of clean water for 15 minutes. Seek medical advice if necessary.
- 4.2 Skin – Wash with soap and water. Remove all contaminated clothing.
- 4.3 Ingestion – Contact a doctor or the Poison Information Centre if adverse effects result. Rinse the mouth with water. Give plenty of water to drink.
- 4.4 Inhalation – Remove from the fumes.
- 4.5 Advice to doctor: See general First Aid advice. Note ingredients and their possible irritant effects. Recommend gastric lavage with medicinal charcoal in water.

SECTION 5: FIRE FIGHTING MEASURES

- 5.1 Thermal decomposition: None known
- 5.2 Hazardous decomposition products: No hazards known
- 5.3 Hazardous reactions: None known
- 5.4 Extinguishing media: Dry agent, carbon dioxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Spills and disposals**

- 6.1 Leave unused material in it's original container and dispose of in a regulated landfill, via a licensed waste contractor.
- 6.2 After spillage/leakage: Absorb spills into an inert material (sand, soil, hydrated lime or vermiculite) or another absorbent material (ie. paper towel). Dilute residue by washing with large amounts of water.
- 6.3 Disposal of spillage: Place recovered material in a sealed container and dispose of in a regulated landfill via a licensed waste contractor.

SECTION: 7 HANDLING AND STORAGE**7.1 Storage and transport**

Store in a cool, well ventilated area. Protect the container from physical damage and direct sunlight.

- 7.2 Classification under the Transportation of Dangerous Goods Code:
Classified as a Class 9 Miscellaneous dangerous good
- Shipping Name: Saturate
- Packing Group: Class 111
- UN Number: 3082
- DG Class: 9
- Sub-risk: Marine pollutant
- Hazchem: None allocated

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 Exposure standards / engineering control**

- 8.10 Regulations: This product is subject to the Code for the Transport of Dangerous Goods by Road and Rail.
- 8.11 Technical protective measures: No special measures are required. Store below 30°C. Store away from food, drink and animal feedstuffs. Store away from strong sunlight. Use only in well ventilated areas.

8.2 Personal protective measures

- 8.21 Personal protective equipment: Face shield, clothes buttoned to the wrist and neck, elbow length PVC gloves and respiratory protection.
- 8.22 Industrial hygiene: Avoid contact with the skin and eyes. Follow the data sheet instructions. Wash thoroughly after handling. Do not eat, drink or smoke till after washing.

8.3 Flammability

- 8.31 Protection against fire: Not flammable

SECTION 9: PHYSICAL DESCRIPTION / PROPERTIES**9.1 Physical Description / Properties**

- | | | |
|------|---------------------------|----------------------------|
| 1.30 | Form: | Liquid 10L HDPE containers |
| 1.31 | Colour: | Off-white |
| 1.32 | Odour: | Slightly aromatic |
| 1.33 | Change in physical state: | Liquid Suspension |
| 1.34 | SG: | 1.09-1.19 |
| 1.35 | Vapour pressure: | Very low |
| 1.36 | Viscosity: | 1600-2200 mpa.s |
| 1.37 | Solubility in water: | Disperses |
| 1.38 | pH Value: | 3.5-4.5 |
| 1.39 | Flash point: | 51°C |
| 1.40 | Boiling point: | 99°C |
| 1.41 | Explosive limits: | Not applicable |

SECTION 10: STABILITY AND REACTIVITY

N/A

SECTION 11: TOXICOLOGICAL INFORMATION**11 Health effects:**

- 11.1 Information on toxicity:
- a) Eyes – Avoid contact with the eyes-may be irritating
 - b) Skin – Avoid contact with the skin.
 - c) Ingestion – Harmful if swallowed.
 - d) Inhalation – Avoid breathing vapour.

SECTION 12: ECOTOXICITY INFORMATION**Information on ecological effects:**

Flora:	No data.
Oral LD ₅₀ (rat):	>4640 mg/kg
Dermal LD ₅₀ (rat):	>10,000 mg/kg
Inhalation LC ₅₀ (rat):	>2.9mg/L/4 hours
Fish:	Toxic
Birds:	No data
Soil:	No data
Water:	Do not allow product to enter wastewater, rivers or creeks

SECTION 13: DISPOSAL INFORMATION**SECTION 14: TRANSPORT INFORMATION**

Correct shipping name: UNLOCK CONCENTRATE

Other names: Not applicable

Hazchem code: 3Z

Dangerous goods class: 9

Sub-risk: Marine pollutant

Poison schedule: NA

Manufacturers product code: AHD UCT10

SECTION 15: REGULATORY INFORMATION

HSR HSR 0002398

ACVM number: A11628

SECTION 6: Contact point (for non-emergency calls)**16.1 Product safety coordinator:**

Animal Health Direct Ltd

Phone 06 873 3611

DISCLAIMER

The Safety Data Sheet has been developed according to EPA New Zealand guidelines.

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof.

The purpose of this Safety Data Sheet is to describe product in terms of their safety requirements.

Agvet NZ Ltd makes no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product").

The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use of the product.

The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product is in compliance with relevant Government and Local Government regulations