



Date of preparation:  
25 August 2017

## SAFETY DATA SHEET

### Bio-D 100

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

<b>Product Name:</b>	<b>Bio-D 100</b>
<b>ACVM Registration Number:</b>	Exempt
<b>Recommended Use:</b>	<i>Used as a feed additive for poultry (broilers, laying hens, breeders, turkeys) and pigs as a vitamin D supplement to aid in maintaining calcium homeostasis and general bone health.</i>
<b>Company Details:</b>	AgriHealth NZ Ltd Unit 1.2, 89 Grafton Road, Grafton, Auckland 1010, New Zealand Phone: +64 9 215 1199      Fax: +64 9 984 9455 Website: <a href="http://www.agrihealth.co.nz">www.agrihealth.co.nz</a>
<b>Emergency Telephone:</b>	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111

#### Section 2: Hazards Identification

Classified as not hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

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

##### Chemical composition

Chemical name	CAS number	%
25-hydroxyvitamin D <sub>3</sub>	19356-17-3	0.0349
Non-hazardous carrier	N/A	90
Anti-dusting oil	8012-95-1	< 10

### Section 4: First Aid Measures

- General information:** May cause skin and eye irritation. May be harmful if inhaled or ingested. Avoid inhalation, contact with eyes and skin, avoid prolonged or repeated exposure. For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor.
- After inhalation:** Remove to fresh air and keep at rest. In case of persistent throat irritation or coughing, seek medical attention and show the physician the packing or the packing label.
- After contact with skin:** In case of contact with skin, wash off with water.
- After contact with eyes:** In case of contact with eyes rinse for at least 15 minutes with plenty of water. Remove contact lenses and continue rinsing. If irritation develops, seek medical attention.
- After ingestion:** No special measures necessary.  
Rinse mouth thoroughly with water.
- Workplace Facilities:** No special facilities are required.
- Notes for Medical Personnel:** Treat exposed patients symptomatically.

### Section 5: Fire Fighting Measures

- Type of hazard:** Non-flammable
- Extinguishing Media and Methods:** Water spray, foam

### Section 6: Accidental Release Measures

- Personal precautions:** Avoid dust formulation.  
Use personal protective clothing.
- Methods for cleaning up:** Clean equipment with a vacuum cleaner.  
Avoid raising dust.  
Clean contaminated floors and objects thoroughly, observing environmental regulations.  
When picked up, treat material as prescribed under heading "Disposal".

### Section 7: Handling and Storage

- Precautions for Safe Handling:** Avoid the formation and deposition of dust.  
Provide exhaust ventilation if dust is formed.

**Precautions for protection against fire and explosion**

Take precautionary measures against electrostatic loading. Avoid formation of dust.  
Observe the general rules of industrial fire protection.

**Storage**

Keep only in the original container.  
Keep container tightly closed, cool and dry.

**Approved Handlers:**

Not required

## Section 8: Exposure Control / Personal Protection

**Personal protective equipment****General protective measures**

Do not inhale dust/mist.  
Avoid contact with eyes and skin.

**Hygienic measures**

Do not eat, drink or smoke during work time.  
Keep away from foodstuffs and beverages.  
After worktime and during work intervals the affected skin areas must be thoroughly cleaned.

**Respiratory protection:**

Particle filter half mask, filter P100

**Hand protection:**

Rubber gloves

**Eye protection:**

Safety glasses with side protective shield

**Skin protection:**

Protective clothing to cover skin

## Section 9: Physical and Chemical Properties

Appearance:

Light brown powder

Boiling point:

No applicable information found

Melting point:

No applicable information found

Vapour pressure:

No applicable information found

Vapour density:

No applicable information found

Relative density:

No applicable information found

Solubility:

No applicable information found

## Section 10: Stability and Reactivity

**Stability:**

Stable under normal conditions and recommended use

**Conditions to avoid**

None known

## Section 11: Toxicological Information

Acute toxicity:

Component	Route	Species	Test result
25-hydroxyvitamin D <sub>3</sub>	Dermal LD <sub>50</sub>	Rat	61 mg/kg
Calcium carbonate	Acute oral LD <sub>50</sub>	Rat	6.45 g/kg
Anti-dusting oil	Acute oral LD <sub>50</sub>	Mouse	22 g/kg

Skin contact:	Bio-D 100 may be irritant in contact with skin
Eye contact:	Bio-D 100 may be irritant in contact with eyes
Inhalation:	May be irritating by inhalation as well as a respiratory sensitiser

## Section 12: Environmental Information

Vitamin D forms, ergocalciferol and cholecalciferol, are susceptible to oxidation by light and air. Bio-D 100 does not persist in the environment and degrades rapidly through biodegradation.

Both forms of vitamin D are widely distributed in plants and animals, as products of endogenous synthesis. The use of Vitamin D3 in animal nutrition is not expected to substantially increase the concentration in the environment, therefore a risk to the environment arising from use of this product is not expected.

## 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.

## Section 14: Transport Information

<b>Land Transport</b>	Not classified as dangerous goods for transport under NZ Standard 5433:2007 Transport of Dangerous Goods on Land.
<b>Air Transport</b>	Not classified as dangerous goods for transport under International Civil Aviation Organisation and International Air Transport Association regulations
<b>Sea Transport</b>	Not classified as dangerous goods for transport under International Maritime Organisation regulations
<b>UN Number</b>	N/A
<b>Proper Shipping Name</b>	N/A
<b>DG Class</b>	N/A
<b>Subsidiary Risk</b>	N/A
<b>Packing Group</b>	N/A
<b>HAZCHEM Code</b>	N/A
<b>Marine Pollutant</b>	No

**Section 15: Regulatory Information**

**Regulatory Status:** Exempt from registration under the ACVM Act 1997

**HSNO and ACVM Controls:** N/A

**List Exposure Limits:** None set

**Section 16: Other Information**

**Additional Information:** For product information see the AgriHealth website:  
[www.agrihealth.co.nz](http://www.agrihealth.co.nz)

Date of preparation: 25 August 2017

Due for revision within 5 years.

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