

	<b>In Confidence</b>	
	<b>Controlled Document</b>	
	<b>Agrimin Limited</b>	
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<b>Safety Data Sheet – ALL-TRACE® Cattle Bolus (NZ) v1.1</b>		

## SAFETY DATA SHEET

according to 91/155/EEC & 1907/2006

### SECTION 1: Identification of the substance/mixture and of the company

Product identifier:	ALL-TRACE® Trace element boluses for cattle	
ACVM approval:	A007796	
Form:	Trace element bolus	
UN number:	3077	
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS ZINC AND COPPER)	
DG class:	9	
Packing group:	III	
Hazchem code:	2Z	
Importer:	VetPak NZ 249 Bruce Berquist Drive PO Box 296 Te Awamutu New Zealand Tel: (07) 870 2024 Fax: 0800 870 2032	
Manufacturer:	AGRIMIN LIMITED Arlanda Way Humberside Airport Kirmington, North Lincolnshire DN39 6YH United Kingdom Tel: 01652 688046 Fax: 01652 688049 Email: <a href="mailto:info@agrimin.co.uk">info@agrimin.co.uk</a>	
Emergency telephone number:	NZ: +64 0800 870 2027 UK: +44 (0) 1652 688 046	Mon-Fri 08:00-17:00 (GMT+12) Mon-Fri 08:00-17:00 (GMT/BST)

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## SECTION 2: Hazard identification

**Classes:** 9.1A, 9.3C

**Hazard Statements:** H410 – Very Toxic to Aquatic life with long lasting effects  
H433 – Harmful to terrestrial vertebrates



**Precautionary Statements:** P273 – Avoid release to the environment  
P391 – Collect spillage

**Other Classifications:**

**ACVM registration number:** A007796

There are no other classifications that are known to apply

## SECTION 3: Composition/information on ingredients

<b>Ingredients:</b>	<b>Chemical Nature:</b>	<b>CAS No:</b>
Cobalt carbonate	$2\text{CoCO}_3 \cdot 3\text{C}(\text{OH})_2 \cdot \text{H}_2\text{O}$	51839-24-8
Sodium selenite	$\text{Na}_2\text{SeO}_3$	10102-18-8
Calcium iodate	$\text{Ca}(\text{IO}_3)_2$	7789-80-2
Zinc oxide	ZnO	1314-13-2
Zinc sulphate	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	7446-20-0
Manganese sulphate	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	1034-96-5
Copper oxide	CuO	1317-38-0
Vitamin A/D <sub>3</sub> powder	Vitamin A acetate	127-47-0
	Vitamin D <sub>3</sub> (cholecalciferol)	67-97-0
Vitamin E powder	Vitamin E acetate	7695-91-2

Excipients make up 100 %

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#### SECTION 4: First aid measures

<b>General advice:</b>	Poisoning due to ingredients in bolus is not relevant
<b>Skin contact:</b>	Wash with soap and water
<b>Eye contact:</b>	Wash with water
<b>Ingestion:</b>	Rinse out mouth with water
<b>Inhalation:</b>	Ensure fresh air is available

#### SECTION 5: Firefighting measures

<b>Suitable extinguishing media:</b>	Water spray, dry extinguishing media, foam, carbon dioxide (CO <sub>2</sub> )
<b>The following can be given off in a fire:</b>	Gases/vapours. The degree of risk is governed by the burning substance and the fire conditions
<b>Special protective equipment:</b>	In case of fire, wear a self-contained breathing apparatus
<b>Further information:</b>	Contaminated extinguished water must be disposed of in accordance with local regulations

#### SECTION 6: Accidental release measures

<b>Personal precautions:</b>	No special measures necessary
<b>Environmental precautions:</b>	Not applicable
<b>Methods for cleaning up:</b>	Not applicable

#### SECTION 7: Handling and storage

<b>Handling:</b>	Handling boluses containing trace element powders and wax is not considered to represent a health risk, but good personal hygiene is always advisable. If crushed, avoid inhalation.
<b>Protection against fire and explosion:</b>	Keep away from heat, sparks and open flame.
<b>Storage:</b>	Keep dry. No other special measures necessary.

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## SECTION 8: Exposure controls and personal protection

<b>Personal protective equipment:</b>	Not applicable
<b>General safety and hygiene measures:</b>	After handling, wash hands with soap and water

## SECTION 9: Physical and chemical properties

<b>Form:</b>	Trace element and vitamin cylinder with a resin and wax coating
<b>Colour:</b>	Green
<b>Odour:</b>	Odourless
<b>Flash point:</b>	> 100 °C
<b>Ignition temperature:</b>	> 200 °C
<b>Density:</b>	2.97 g/cm <sup>3</sup>
<b>Solubility in water:</b>	Insoluble in water

## SECTION 10: Stability and reactivity

<b>Conditions to avoid:</b>	Protect against moisture
<b>Hazardous reactions:</b>	None provided product is correctly processed
<b>Hazardous decomposition products:</b>	None provided product is correctly processed

## SECTION 11: Toxicological information

In the bolus form the ingredients are not toxic, but during the manufacturing process of the bolus ingredients could be ingested the following toxicological data would be relevant:

<b>Cobalt carbonate monohydrate</b>	LD50 oral (rat) 697 mg/kg
<b>Sodium selenite</b>	LD50 oral (rat) 7 mg/kg
<b>Zinc sulphate heptahydrate</b>	LD50 oral (rat) 1260 mg/kg
<b>Manganese sulphate</b>	LD50 oral (rat) 2150 mg/kg
<b>Copper oxide</b>	LD50 oral (rat) 470 mg/kg

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## SECTION 12: Ecological information

The product may be toxic to aquatic life at low concentrations and may cause long-term adverse effects in the aquatic environment. Prevent product from entering the water system.

## SECTION 13: Disposal considerations

<b>Product:</b>	Must be disposed of in accordance with local regulations The UK Environment Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom)
<b>Contaminated packaging:</b>	Uncontaminated packs can be re-used. Packs that cannot be cleaned should be disposed of by suitable incineration, in accordance with local regulations

## SECTION 14: Transport information

Not classified as hazardous under transport regulations

## SECTION 15: Regulatory information

Labelling according to national / international regulations

## SECTION 16: Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our products must take responsibility for observing existing laws and regulations.