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Safety Data Sheet – Smartrace for Adult Sheep NZ v2.0		

PRODUCT SAFETY DATA SHEET

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

Product identifier	Smartrace for Adult Sheep
Form	Trace element cylindrical bolus
Recommended use	Intraruminal bolus to supplement the trace elements selenium, iodine and cobalt during critical stages of the breeding cycle of the ewe.
ACVM approval number	A011545
UN Number	3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S._Zinc
DG Class	9
Packing group	III
Hazchem code	2Z
Manufacturer	Agrimin Limited Arlanda Way Humberside Airport Kirmington, North Lincolnshire DN39 6YH, UK Tel: +44 (0)1652 688046 Fax: +44 (0)1652 688049 Email: info@agrimin.co.uk
Importer	Vetpak NZ 249 Bruce Berquist Drive Te Awamutu 3800 Waikato New Zealand Tel: +64 (0)7 870 2024 Fax: +64 (0)800 870 2032
Emergency telephone numbers	NZ National Poisons Centre: 0800 764 766. 24 hours. Vetpak NZ: 07 870 2024. 08:00–17:00 Mon-Fri, except public holidays. Agrimin (UK): +44 (0)1652 655046 08:30–17:00 Mon-Fri, except public holidays.

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SECTION 2: Hazards identification

Classes	9.1A
Hazard statement	H410 – Very Toxic to Aquatic life with long lasting effects



Other classifications

ACVM registration number A011545

There are no other classifications that are known to apply

Precautionary statements	Avoid release to the environment Collect spillage
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SECTION 3: Composition/information on ingredients

COMPOSITION

Ingredient	Chemical Nature	CAS No
Cobalt carbonate	$2\text{CoCO}_3 \cdot 3\text{C}(\text{OH})_2 \cdot \text{H}_2\text{O}$	51839-24-8
Sodium selenate	$\text{Na}_2\text{O}_4\text{Se}$	13410-01-0
Calcium iodate	$\text{Ca}(\text{IO}_3)_2$	7789-80-2
Zinc metal	Zn	7440-66-6


Excipients make up 100%

SECTION 4: First aid measures

General advice	Poisoning due to ingredients in bolus is not relevant.
Skin contact	Wash with soap and water.
Eye contact	Not relevant.
Ingestion	Not relevant.
Inhalation	Not relevant.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray, dry extinguishing media, foam, Carbon dioxide (CO_2).
The following can be given off in a fire	Gases/vapours. The degree of risk is governed by the burning substance and the fire conditions.
Special protective equipment	In case of fire, wear a self-contained breathing apparatus.
Further information	Contaminated extinguished water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

Personal precautions	No special measures necessary.
Environmental precautions	Avoid release to the environment.
Methods for cleaning up	Not applicable.

SECTION 7: Handling and storage

Handling	Not considered to represent a health risk. Good personal hygiene is always advisable.
Protection against fire and explosion	Keep away from heat, sparks and open flame.
Storage	Store below 25°C in original container away from sunlight. Keep dry. No other special measures necessary.

SECTION 8: Exposure controls/personal protection


Personal protective equipment	Not applicable.
General safety and hygiene measures	After handling, wash hands with soap and water.

SECTION 9: Physical and chemical properties

Form	Trace element cylindrical bolus.
Colour	Grey.
Odour	Odourless.
Flash point	> 100 °C
Ignition temperature	> 200 °C
Density	2.9 g/cm ³ (2.6 – 3.3 g/cm ³)
Solubility in water	Insoluble in water.

SECTION 10: Stability and reactivity

Conditions to avoid	Protect against moisture.
Hazardous reactions	None provided product is correctly processed.
Hazardous decomposition products	None provided product is correctly processed.

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SECTION 11: Toxicological information

In the bolus form the ingredients are not toxic but should the bolus be crushed so that the ingredients could be ingested the following toxicological data would be relevant:

Sodium selenate acute toxicity: LD50 (rat, oral) 1600 µg/kg (RTECS)
 Irritant/corrosive effects: Irritant effect on skin: Evaluation – Irritant
 Irritant effect on eyes: Evaluation – Irritant

SECTION 12: Ecological information

Zinc is toxic to aquatic life at concentrations as low as 90 µg/L, may cause long-term adverse effects in the aquatic environment.

No data available for other ingredients to suggest any adverse effect.

SECTION 13: Disposal considerations

Product Must be disposed of in accordance with local regulations.
Contaminated packaging 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

UN number 3077
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S._Zinc
DG class 9
Packing group III
Hazchem code ZZ

SECTION 15: Regulatory information

HSNO approval number HSR002521
 Animal Nutritional and Animal Care Products Group Standard 2017.
Regulatory status Registered pursuant to the ACVM Act, 1997, No. A011545. See [NZ Register of Agricultural Chemicals, Veterinary Medicine](#) for registration considerations.

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.