

SAFETY DATA SHEET



Virbac New Zealand Limited

SMARTShot B₁₂ plus Se

Section 1: Identification of the Substance and Supplier

Product name:	SMARTShot B₁₂ plus Se
Recommended use:	For the treatment and prevention of cobalt deficiency and selenium deficiency in sheep and cattle. Restricted Veterinary Medicine.
Company details:	Distributed by Virbac New Zealand Limited
Address:	26 -30 Maui St, Pukete, Hamilton
Telephone number:	(07) 849 6782
Customer service toll free number:	0800 VIRBAC (0800 847 222) (Mon – Fri, 8.30 am – 4.30 pm) nz.virbac.com.
Emergency telephone number:	National Poison Center: 0800 POISON (0800 764 766) New Zealand Emergency Service 111
Date of preparation:	June 2017
Date of revision:	June 2021

Section 2: Hazards Identification

Hazard classifications:	6.6B, 6.9B, 9.1B, 9.2B
Priority identifier:	WARNING KEEP OUT OF REACH OF CHILDREN ECOTOXIC
Secondary identifiers:	6.6B = Suspected of causing genetic defects 6.9B = May cause damage to organs through prolonged or repeated exposure 9.1B = Toxic to aquatic life with long lasting effects 9.2B = Toxic to the soil environment

Precautionary information:

Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Do not breath mist/spray/vapours
Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid release to the environment
Collect spillage

Section 3: Composition / Information on Ingredients

Product components:	Ingredients	CAS Number	Proportion (% w/v)
	Barium selenate	7787-41-9	4.26

Section 4: First Aid Measures

Symptoms of acute overexposure

On contact - skin rash, watery eyes, shortness of breath, coughing & wheezing &/or nasal congestion may occur. Ingestion may lead to abdominal pain, vomiting and diarrhoea. For allergic individuals the symptoms are more severe, especially difficulty in breathing, & immediate medical assistance is recommended.

Symptoms of chronic overexposure

Acute selenium poisoning is unlikely with barium selenate but symptoms are irritation of the nasal, respiratory and gastro-intestinal tracts, persistent garlic odour on the breath, metallic taste in the mouth, pallor, irritability, excessive fatigue. Damage to the spleen, liver and bone marrow may also occur.

Eye Contact:

Immediately hold eyes open & wash continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart & away from eye & moving the eyelids by occasionally lifting the upper & lower lids. If discomfort persists, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact

Immediately flush body & clothes with large quantities of water. Quickly remove all contaminated clothing & footwear. Wash affected areas with water (& soap if available) for at least 15 minutes. Obtain medical

attention if irritation develops. Wash clothing before re-use.

Inhalation:	Remove to fresh air. Lay patient down. Keep warm & rested & observe for any signs of an allergic reaction. If breathing is difficult, obtain medical attention.
If swallowed:	Contact doctor or National Poisons Centre (0800 764 766). DO NOT INDUCE VOMITING. Wash out mouth thoroughly with water & give plenty of water to drink. For significant quantities, lean patient forward or place on left side (head down, if possible) to maintain open airway & prevent aspiration & refer for medical attention without delay. Provide a copy of this document to the practitioner.
Workplace facilities:	No specific workplace facilities required.
Required instructions:	Avoid contact with skin and eyes. If skin or eyes irritation occurs wash off immediately.
Notes for medical personnel:	If swallowed do NOT induce vomiting. Contact a doctor or call the National Poisons Centre on 0800 POISON (0800 764 766)

Section 5: Firefighting Measures

Type of hazard:	Non-flammable
Fire hazard properties:	May emit toxic fumes when exposed to fire or heat. Flash point: not known. Ignition temperature: Not known
Regulatory requirements:	Do not handle until all safety precautions have been read and understood.
Extinguishing media and methods:	Water spray or fog / foam / dry chemical powder / carbon dioxide.
HAZCHEM:	N/A
Recommended protective clothing:	Breathing apparatus for fire only.

Section 6: Accidental Release Measures

Emergency procedures:	Emergency procedures: Ensure suitable protective clothing is worn. For small volumes, chemical-resistant gloves & goggles will suffice. For large volumes, protective boots & overalls should also be worn.
------------------------------	---

Environmental precautions Spilled product & washings must be prevented from entering any drains or waterways, or from contaminating the ground.

Procedure for a spill Keep all bystanders away. Wear appropriate protective gear. Re-position any leaking containers to minimise any further leakage. Dam and absorb spill with an absorbent material (sand or soil). Shovel the absorbed material into a drum or similar robust container. Dispose of in an approved landfill. Decontaminate the spill area with detergent and water and rinse with the smallest volume of water possible.

Section 7: Handling and Storage

Precautions for safe handling: Wash hands thoroughly after handling.
Wear protective gloves when handling.
In case of inadequate ventilation wear respiratory protection.
Contaminated work clothing should not be allowed out of the workplace.
Avoid contamination of any water supply with chemical or empty container.

Approved handlers: Not required

Conditions for safe storage: See below

Store site requirements: Keep out of reach of children. Store in original container, tightly closed, away from foodstuffs. Store upright in a cool place. Do not freeze. Protect from light. Store locked up.

Packing: No specific packaging requirement.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Guidelines: No working exposure standards have been established.

Exposure standards outside the workplace No tolerable exposure limit (TEL) or environmental exposure limit (EEL) are set for this substance at this time.

Engineering controls: N/A

Personal protective Equipment (PPE): When handling bulk quantities, wear suitable gloves, protective clothing, to avoid prolonged breathing of dust or contact of dust with skin. Wash thoroughly with soap and water after handling.

Section 9: Physical and Chemical Properties

Appearance:	Clear, pale red, oily suspension of red microspheres and white barium selenate with no lumps or obvious foreign matter.
Odour	Odourless
Flash point	Not known
Ignition temperature	Not known
Specific Gravity:	0.93 – 0.95
pH:	N/A
Solubility in Water:	Not soluble in water
Flammability:	Not flammable
Combustibility:	The oil in this product will burn
Explosive properties	Not explosive
Oxidising properties	Not oxidizing
Corrosiveness	Not corrosive

Section 10: Stability and Reactivity

Stability of the substance:	Stable under normal conditions of use.
Conditions to avoid	Temperatures exceeding 30°C or less than 2°C.
Material to avoid:	Solvents which may degrade the container.
Hazardous decomposition products:	On heating to decomposition, emits toxic fumes.
Hazardous polymerization:	Does not occur
Specific Data	N/A

Section 11: Toxicological Information

Acute toxicity (LD50)	Rat, oral: >2000 mg/kg
Chronic toxicity	Not known.

Mutagenicity

Barium selenate is a suspected mutagen.

Section 12: Ecological Information

Toxic to aquatic life with long lasting effects

Ecotoxic in the aquatic environment with possible long lasting effects owing to the low solubility and stability of barium selenate (persists for extended periods).

Toxic to the soil environment

Ecotoxic in the soil environment with possible long lasting effects owing to the low solubility and stability of barium selenate (persists for extended periods).

Section 13: Disposal Considerations
--

Procedure for product disposal

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Procedure for container disposal

Ensure container is completely empty. If permitted under Local Authority Plans burn if circumstances, especially wind direction, permit otherwise crush & bury in an approved Local Authority facility. DO NOT use the container for any other purpose.

Section 14: Transport Information
--

Transport information:

Under the HSNO Control EM1, the transport of quantities of this product in excess of 1L must comply with Land Transport Rule 45001 & Maritime Rule 24A in terms of labelling & documentation. Transport of any quantity by air must comply with Civil Aviation Rule 92.

Section 15: Regulatory Information

Registration number:

A009402

For conditions of registration see <http://www.foodsafety.govt.nz>

HSNO Classification:

ERMA Approval Code: **HSR002376**
Toxic: T2, T4, T5.

Identification: I1, I3, I8, I9, I11, I16, I17, I18,
I19, I20, I21, I23, I28, I29, I30.
Packaging: P1, P3, PS4.
Disposal: D4, D5, D6, D7, D8
Emergency management: EM1, EM8, EM11,
EM12, EM13

For a full listing of controls see <http://www.epa.govt.nz>

Section 16: Other Information

For product information visit the Virbac website nz.virbac.com.
While the information set forth is believed to be accurate as of the date hereof, Virbac New Zealand Limited makes no warranty with respect hereto and disclaims all liability from reliance thereon.