



Virbac New Zealand Limited

## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: **SMARTShot B<sub>12</sub>**  
Product Use: For the treatment and prevention of cobalt deficiency in sheep and cattle.  
Over-the-counter Animal Remedy  
Restriction of Use: Refer to Section 15  
New Zealand Supplier: **Virbac New Zealand Limited**  
Address: 26 – 30 Maui Street  
Pukete, Hamilton  
Telephone: +64 7 849 6782  
Customer Service Toll no: 0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)  
**Emergency No: 0800 764 766 (National Poison Centre)**  
Date of SDS Preparation: 4 April 2022

### Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

This product is generally regarded as being of low risk to health. The main health hazard from this material is the risk of an allergic response in persons sensitive to peanuts or products derived from them. On exposure to moisture, the polymer degrades gradually to form organic acids which may irritate skin or eyes if not removed.

### Section 3. Composition / Information on Hazardous Ingredients

| Ingredient                | Cas No    | Weight % |
|---------------------------|-----------|----------|
| Arachis (peanut) oil      | 8002-03-7 | >95      |
| Non-hazardous ingredients |           | bal      |

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. 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.

If on Skin Immediately flush body & clothes with water. Remove all contaminated clothing & footwear. Wash affected areas thoroughly with water (& soap if available). Obtain medical attention if irritation develops. Wash clothing before re-use.

If Swallowed Small quantities are harmless, in the absence of an allergic response. For larger quantities (several hundred ml for example), 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. If necessary, 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.

If Inhaled Inhalation of this product is unlikely but if it does occur, remove the patient to fresh air. Lay patient down. Keep warm & rested & observe for any signs of an allergic reaction. If breathing is difficult, obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

Symptoms: On prolonged skin contact a rash may develop. For allergic individuals the symptoms are more severe and may include breathing difficulties. Immediate medical assistance is recommended.

**Section 5. Fire Fighting Measures**

|   |  |
|---|--|
| <b>Hazard Type</b>  | Non Flammable  |
| <b>Hazards from products</b>  | May emit toxic fumes when exposed to fire or heat. Flash point: 300°C. Ignition temperature: Not known |
| <b>Suitable Extinguishing media</b>                                 | Water spray or fog / foam / dry chemical powder / carbon dioxide.                                      |
| <b>Precautions for firefighters and special protective clothing</b> | Breathing apparatus for fire only.   |
| <b>HAZCHEM CODE</b>   | <b>None allocated</b>  |

**Section 6. Accidental Release Measures**

For small volumes, chemical-resistant gloves & goggles will suffice. For large volumes, protective boots & overalls should also be worn. Keep all bystanders away.

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

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 Handling:**

- Read label before use.
- Do not eat, drink or smoke while using.
- If sensitised, wear chemical-resistant gloves, goggles, overalls and shoes when handling.
- Avoid contact with skin & eyes.
- Remove protective clothing and wash hands and face thoroughly before meals and after using this product.
- Avoid self-inoculation.

**Precautions for Storage:**

- 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.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA                   | STEL                  |
|-----------|-----------------------|-----------------------|
|           | ppm mg/m <sup>3</sup> | ppm mg/m <sup>3</sup> |

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12<sup>TH</sup> EDITION.

#### Engineering Controls

Not required.

#### Personal Protection Equipment

|                    |   |
|--------------------|---|
| <b>Eyes</b>        | Not required.   |
| <b>Skin</b>        | When handling bulk quantities, wear suitable gloves, protective clothing, to avoid prolonged contact with skin. |
| <b>Respiratory</b> | Not required.   |
| <b>Hygiene</b>     | Wash hands thoroughly with soap and water after handling.   |

## Section 9 Physical and Chemical Properties

|   |  |
|---|--|
| <b>Appearance</b>                       | Clear, oily suspension of red microspheres |
| <b>Odour</b>                            | Odourless                                  |
| <b>Odour Threshold</b>                  | Not available                              |
| <b>pH</b>                               | Not available                              |
| <b>Boiling Point</b>                    | Not available                              |
| <b>Melting Point</b>                    | Not available                              |
| <b>Freezing Point</b>                   | Not available                              |
| <b>Flash Point</b>                      | 300°C                                      |
| <b>Flammability</b>                     | The oil in this product will burn.         |
| <b>Combustibility</b>                   | Not available                              |
| <b>Upper and Lower Explosive Limits</b> | Not available                              |
| <b>Vapour Pressure</b>                  | Not available                              |
| <b>Vapour Density</b>                   | Not available                              |
| <b>Specific Gravity</b>                 | 0.923 g/L                                  |
| <b>Water Solubility</b>                 | Not soluble in water                       |
| <b>Partition Coefficient:</b>           | Not available                              |
| <b>Auto-ignition Temperature</b>        | Not available                              |
| <b>Decomposition Temperature</b>        | Not available                              |
| <b>Kinematic Viscosity</b>              | Not available                              |
| <b>Particle Characteristics</b>         | Not available                              |

## Section 10. Stability and Reactivity

|                               |   |
|-------------------------------|---|
| <b>Stability of Substance</b> | Stable under normal storage conditions. |
|-------------------------------|---|

|   |   |
|---|---|
| <b>Possibility of hazardous reactions</b> | No data available.                              |
| <b>Conditions to Avoid</b>                | Temperatures exceeding 30°C or less than 2°C.   |
| <b>Incompatible Materials</b>             | Solvents which may degrade the container.       |
| <b>Hazardous Decomposition Products</b>   | On heating to decomposition, emits toxic fumes. |

## Section 11 Toxicological Information

### Acute Effects:

|                   |                 |
|-------------------|-----------------|
| <b>Swallowed</b>  | Not applicable. |
| <b>Dermal</b>     | Not applicable. |
| <b>Inhalation</b> | Not applicable. |
| <b>Eye</b>        | Not applicable. |
| <b>Skin</b>       | Not applicable. |

### Chronic Effects:

|                               |                 |
|-------------------------------|-----------------|
| <b>Carcinogenicity</b>        | Not applicable. |
| <b>Reproductive Toxicity</b>  | Not applicable. |
| <b>Germ Cell Mutagenicity</b> | Not applicable. |
| <b>Aspiration</b>             | Not applicable. |
| <b>STOT/SE</b>                | Not applicable. |
| <b>STOT/RE</b>                | Not applicable. |

## Section 12. Ecotoxicological Information

Not regarded as ecotoxic in the aquatic environment but obviously large quantities of product in a small volume of water would be detrimental. Not regarded as ecotoxic in the soil.

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Product:</b>                      |                   |
| <b>Persistence and degradability</b> | No data available |
| <b>Bioaccumulation</b>               | No data available |
| <b>Mobility in Soil</b>              | No data available |
| <b>Other adverse effects</b>         | No data available |

## Section 13. Disposal Considerations

### Disposal Method:

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

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.

**Precautions or methods to avoid:** DO NOT use the container for any other purpose.

## Section 14 Transport Information

**This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

| HSW (HS) Regulations 2017 and EPA Notices   | Trigger Quantity                   |
|---|------------------------------------|
| Certified Handler   | Not required                       |
| Location Certificate  | Not required                       |
| Tracking Trigger Quantities   | Not required                       |
| Signage Trigger Quantities  | Not required                       |
| Emergency Response Plan   | Not required                       |
| Secondary Containment   | Not required                       |
| Restriction of Use  | Only use for the intended purpose. |
| ACVM Approval No<br>See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration<br>Conditions | A008147                            |

## Section 16 Other Information

### Glossary

|                           |   |
|---------------------------|---|
| Cat                       | Category  |
| EC <sub>50</sub>          | Median effective concentration.                               |
| EEL                       | Environmental Exposure Limit.                                 |
| EPA                       | Environmental Protection Authority                            |
| HSNO                      | Hazardous Substances and New Organisms.                       |
| HSW                       | Health and Safety at Work.                                    |
| LC <sub>50</sub>          | Lethal concentration that will kill 50% of the test organisms |
| inhaling or ingesting it. |   |
| LD <sub>50</sub>          | Lethal dose to kill 50% of test animals/organisms.            |
| LEL                       | Lower explosive level.  |
| OSHA                      | American Occupational Safety and Health Administration.       |
| TEL                       | Tolerable Exposure Limit.                                     |
| TLV                       | Threshold Limit Value-an exposure limit set by responsible    |
| authority.                |   |
| UEL                       | Upper Explosive Level   |
| WES                       | Workplace Exposure Limit                                      |

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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