



VB12 PLUS SELENIUM FOR SHEEP AND CATTLE

Abbey Animal Health Pty Ltd SAFETY DATA SHEET

Section 1- Identification of Product and Supplier

Supplier Company Details: Abbey Animal Health Pty Ltd

Address: 16 Voyager Circuit, Glendenning NSW 2761

Telephone Number: 02 8088 0720

Facsimile Number: 02 8088 0721

Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour Service).

PRODUCT NAME

VB12 PLUS SELENIUM FOR SHEEP AND CATTLE

PRODUCT USE

For the treatment and control of Vitamin B12 and selenium deficiency in sheep and cattle.

Section 2- Hazards Identification

Statement of Hazardous Nature: Classified as hazardous according to Australian WHS regulations.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

GHS classification: Target Organ Systemic Toxicity (Repeated Exposure): Category 2

GHS Signal word: **WARNING**

Pictogram(s):



HAZARD STATEMENT(S):

H373: may cause damage to organs through prolonged or repeated exposure.

PREVENTION STATEMENTS(S):

P260: Do not breathe fume/gas/mist/vapours/spray.

RESPONSE STATEMENTS(S):

P314: Get medical advice/attention if you feel unwell.

DISPOSAL STATEMENTS(S):

P501: Dispose of contents/container in accordance with relevant regulations.

Section 3- Composition / Information on Ingredients
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INGREDIENTS:

Chemical Name	CAS Number	EC number	Proportion
Hydroxocobalamin acetate	22465-48-1	615-339-5	<1%
Sodium selenate	13410-01-0	236-501-8	<1%
Non-hazardous ingredients	Not available	Not available	Remainder

Section 4- First Aid Measures

Call Poisons Information Centre Phone Australia 131 126, if you feel that you may have been poisoned or irritated by this product.

Eye: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. See an ophthalmologist (eye doctor) or other physician if irritation persists.

Inhaled: Move individual to fresh air. If unconsciousness occurs, seek immediate medical attention. If breathing has stopped, use mouth-to-mouth resuscitation and seek immediate medical attention.

Skin: Remove contaminated clothing and clean before reuse. Wash all exposed areas of skin with plenty of soap and water. Seek medical attention if irritation develops.

Ingestion: Rinse mouth with water and give water to drink. If symptoms of poisoning develop, contact a doctor or Poisons Information Centre. Phone 131126.

Advice to Doctor: Acute selenium poisoning produces central nervous system effects, which include nervousness, convulsions, and drowsiness. Other signs of intoxication can include skin eruptions, lassitude, gastrointestinal distress, teeth that are discoloured or decayed, odorous ("garlic") breath, and partial loss of hair and nails. Chronic exposure by inhalation can produce symptoms that include pallor, coating of the tongue, anaemia, irritation of the mucosa, lumbar pain, liver and spleen damage, as well as any of the other previously mentioned symptoms. Chronic contact with selenium compounds may cause garlic odour of breath and sweat, dermatitis, and moderate emotional instability.

Section 5- Fire Fighting Measures
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Extinguishing media: If involved in a fire, use water spray, foam, powder and carbon dioxide fire extinguishers suitable to the surrounding area.

Special hazards arising from the substance or mixture: Non-combustible. Emits toxic and irritating fumes (nitrogen oxides, cobalt derivatives) when heated to decomposition.

Advice for firefighters: Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

Environmental precautions: Prevent product from entering drains and waterways.

Methods of cleaning up: Clean up spills immediately. Absorb spills using suitable absorbing material (eg. sand, sawdust, or diatomaceous earth) and place in a sealed container for waste disposal. Dispose of waste in compliance with local waste disposal regulations. Destroy empty pack after use by wrapping in paper and dispose of appropriately. Use suitable protective equipment.

Section 7 - Handling and Storage

Precautions for safe handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Storage: Store below 25°C (Air Conditioning). Protect from light. Store opened product below 25°C.

Section 8 - Exposure Controls / Personal Protection

Control parameters

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Selenium compounds (as Se)	SWA (AUS)	--	0.1	--	--

Biological limits: No biological limit values have been entered for this product.

Personal Protective Equipment:

Eye/face protection: Eye protection is not normally required under normal product. However, if in doubt, wear suitable protective glasses or goggles.

Skin protection: This product is not harmful and normal skin protection is not typically required. However, in general, we suggest that you avoid skin contact with all chemical products and wear suitable gloves (preferably elbow length gloves) when skin contact is likely. Wash hands or other exposed areas after handling and use.

Respiratory protection: Respiratory protection equipment is recommended under conditions where dusts are likely to build up in an area where this product is being used.

Section 9 - Physical and Chemical Properties

Physical State: A clear red liquid.
Boiling Point: No data available
Vapour Pressure: No data available
Odor: No data available
Specific Gravity: No data available

Section 10 - Stability and Reactivity

Reactivity: Carefully review all information provided in following two sections (Chemical stability and Possibility of hazardous reactions).

Chemical stability: Stable under recommended conditions of storage.

Possibility of hazardous reactions: Polymerization is not expected to occur.

Hazardous decomposition products: Emits toxic and irritating fumes (nitrogen oxides, cobalt derivatives) when heated to decomposition.

Section 11 - Toxicological Information

Information on toxicological effects

Acute toxicity Information available for the product:

Harmful by inhalation and if swallowed. This product is used in veterinary applications. Use safe work practices to avoid eye contact, prolonged skin contact and ingestion. Refer to medical doctor/specialist for advice regarding adverse side effects.

Information available for the ingredient(s):

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
SODIUM SELENATE	1600 µg/kg (rat)	--	--

Skin: Not classified as a skin irritant. Prolonged or repeated contact may result in mild irritation.

Eye: Not classified as an eye irritant. Contact may result in mild irritation, lacrimation and redness.

Sensitisation: Not classified as causing skin or respiratory sensitisation.

Mutagenicity: Not classified as a mutagen.

Aspiration: Not classified as causing aspiration.

Section 12 - Ecological Information

Environment statement: Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.

Aquatic Sodium selenate:

First Effective Date: 22nd May 2020

0.083mg/L (48hr *Gammarus pseudolimnaeus* Scud)
0.2mg/L (96hr *Selenastrum capricornatum* green algae)
0.69mg/L (96hr *Pimephales promelas*)

Bioaccumulation No data

Degradability No data

Soil Ecotoxic to the soil environment (EPA)

Terrestrial vertebrae Not ecotoxic

Terrestrial invertebrae Not ecotoxic

Section 13 - Disposal Considerations

Disposal:

Dispose of empty container and packaging by wrapping with paper and putting in garbage. Discarded needles/sharps should immediately be placed in a designated and appropriately labelled 'sharps' container.

Section 14 - Transport Information

No specific transport considerations apply since *VB12 PLUS SELENIUM FOR SHEEP AND CATTLE* is NOT classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

Section 15 - Regulatory Information

Poisons Schedule: 6

APVMA Approval Number: 88380

Approved pack size: 200mL, 500mL

For more information please refer to the APVMA approved product label

Section 16 – Other Information

Abbey Animal Health Pty Ltd

Telephone Number: 02 8088 0720

Facsimile Number: 02 8088 0721

Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour service).

This Safety Data Sheet (SDS) summarizes our best knowledge of the health and safety hazard information of the product according to the GHS requirements and how to safely handle and use the product in the workplace.

Each user must review this SDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

First Effective Date: 22nd May 2020