

VALUE PLUS BIOTIN HOOF GROWTH SUPPLEMENT

Safety data Sheet according to WHS and ADG requirements

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name: VALUE PLUS BIOTIN HOOF GROWTH SUPPLEMENT
Company Product Code: VAL070, VAL0703
Other Names: Biotin Powder, Biotin, Value Plus Biotin

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: A powdered feed supplement for horses to aid in the treatment of abnormal hoof growth due to a deficiency of dietary biotin.

Details of the supplier of the safety data sheet

Registered company name: Zoo Pets Pty Ltd
Address: Unit 4, 3 Terrace Road North Richmond NSW 2766
PO Box 506, Cherrybrook NSW 2126
Telephone Number: +61 (0)2 45714211 (Mon-Fri 9:00am – 5:00pm)
Fax Number: +61 (0)2 45714928
Website: www.valueplus.net.au
Email: info@zoopets.com.au

Emergency telephone number

Association/organisation: Not available
Emergency Telephone Number: +61 2 45714211
Poisons Information Centre Australia: 131 126

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of hazardous nature: Non-hazardous chemical.
Non-dangerous goods according to Model WHS Regulations and the ADG Code.
Does not contain restricted animal materials

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Proportion</u>	<u>CAS Number</u>
D-biotin	0.9%	58-85-5
Bentonite	>60%	1302-78-9
Inert ingredients	<40%	

**The identity and concentration of individual components of this mixture is proprietary information and is regarded to be a trade secret pursuant to Section 1910.1200 of Title 29 of the Code of Federal Regulations.*

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact: Flush eyes with water for a minimum of 15 minutes. Seek medical attention promptly if irritation persists or if any loss of vision occurs. Removal of contact lenses after eye injury should be undertaken by skilled personnel.

Skin Contact: Remove contaminated clothing. Wash skin with water. Launder contaminated clothing before re-use.
In the event of irritation, seek medical attention.

Inhalation: Remove affected person to air.
Treat unconsciousness by placing person in the coma position. Apply artificial respiration, seek medical attention.

Ingestion: First aid not generally required
If in doubt, contact a Poisons information Centre or doctor.

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SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Product is not combustible. Foam, fine water spray, water fog, dry chemical or carbon dioxide may be used.
Hazards from combustion products:	Burning can produce carbon monoxide and/or carbon dioxide.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Minor spills	Powder can be swept up and disposed of as directed by local waste management authority.
Major spills:	Remove all personnel not involved in clean-up Powder can be swept up and disposed of as directed by local waste management authority. Dust may be produced during sweeping. Use Particulate respirator AS/NZS 1716:2012 P1 Residual can be removed with standard floor washing
Personal Protective Equipment:	Refer section 8 of this SDS

SECTION 7 HANDLING AND STORAGE

Handling:	Use in well-ventilated areas. Avoid personal contact including inhalation. Wear protective clothing. Remove and wash clothing contaminated with material.
Storage:	Protect product from light Store in original, clearly labelled containers Store in cool, dry, well-ventilated area
Incompatibilities:	Not to be stored with oxidising agents (Class 5.1)

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure limits:	Not available
Biological Limits/Values:	No biological limit allocated

ENGINEERING CONTROLS

Ventilation:	Local exhaust and/or mechanical (general) exhaust is recommended where vapours are likely to be generated.
Special Consideration for Repair and/or Maintenance of Contaminated Equipment:	No specific requirements Observe GMP
Clean-up Procedure:	For managing spills, refer Section 6 of this SDS Dispose of all waste containers and used drums in accordance with local authority Guidelines

PERSONAL PROTECTION

Personal Hygiene:	Protective clothing (gloves, overalls, boots etc) should be worn to prevent skin contact.
Skin Protection -	Avoid skin contact by using approved chemical resistant glove and aprons-PVC or Neoprene (AS 2161)
Eye Protection-	Avoid eye contact by wearing chemical goggles with side-shields or face-shields (AS/NZ 1336) whenever exposed to vapour or mist or if there is a risk of splashing liquid in the eyes. Safety showers with eye wash should be provided in all areas where the product is handled.
Respiratory Protection -	None should be needed if engineering, storage and handling controls are adequate

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to ensure that atmospheric contamination is kept below the National Standard
Where particulate concentrations are likely to approach or exceed the National Standard, an approved particulate respirator (AS/NZ 1716) must be worn.
In the suspected oxygen-deficient atmospheres such as empty vessels or confined spaces, use air supplied hoods

Thermal Protection-

None should be needed under normal conditions

Smoking and other dusts-

Smoking must be prohibited in all areas where this product is used

See flammability data above

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Free running fine grey powder
Odour:	No odour
pH:	8.5-9.8 (5% in water)
Vapour Pressure:	Nil at normal ambient temperatures
Vapour Density:	No data available
Boiling Point:	Not Applicable
Freezing/Melting Point (°C):	Solid at room temperature
Solubility in water:	<1% of components soluble
Specific gravity/density	Density 0.966g/mL

FLAMMABLE MATERIALS

Flash Point:	Not flammable, not applicable
Upper Flammable (explosive) limit:	Not Applicable
Lower Flammable (explosive) limit:	Not Applicable
Auto Ignition Temperature:	Not Applicable

ADDITIONAL PROPERTIES

Evaporation rate:	Not Applicable
Molecular weight:	Indeterminate-Mixture of components
% Volatiles:	<0.1%

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable. Potency of biotin may be reduced with prolonged exposure to light.
Incompatible materials:	Refer section 7 of this SDS
Conditions to Avoid:	Refer section 7 of this SDS
Hazardous Decomposition Products:	Burning can produce carbon monoxide and/or carbon dioxide Hazardous
Hazardous reactions:	Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion:	The LD ₅₀ of biotin (technical active ingredient) for repeated (10day) oral administration in rat (strain and numbers of animals not specified) was found to be >350 mg/day.
Eyes:	May cause transient irritation (tearing, redness) as experienced when foreign body comes in direct contact with eyes.
Skin:	May cause irritation in sensitive individuals
Inhaled:	Not considered a hazard due to non-volatile nature of material. Crumbling of pellets might generate dust. Precautions to avoid inhalation should be taken.

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Chronic Effects

Ingestions:	Consumption of large quantities for prolonged periods may interfere with iron and potassium absorption.
Eyes:	May cause transient irritation (tearing, redness) as experienced when foreign body comes in direct contact with eyes
Skin:	May cause irritation in sensitive individuals
Inhaled:	Not considered a hazard due to non-volatile nature of material

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Persistence and Degradability:	Biotin is biodegradable at 10%/28d (closed bottle test). Bentonite is not biodegradable but is inert in the environment.
Mobility:	Risk of biotin entering ground water from this product is very low.

SECTION 13 DISPOSAL CONSIDERATIONS

Individual containers can be rinsed with several volumes of water
Without replacing the lid, deposit in the appropriate recycling bin

SECTION 14 TRANSPORT INFORMATION

UN Number:	None assigned
Shipping Name:	Value Plus Biotin
Transport Hazard Class:	Not applicable
Packing Group:	Not applicable
Environmental Hazards for Transport Purposes:	Not applicable
HAZCHEM:	Not applicable

Specific Precaution for User: Nil

ADDITIONAL TRANSPORT REQUIREMENTS: NIL

SECTION 15 REGULATORY INFORMATION

Poisons Schedule:	Not scheduled
Other:	Nil

SECTION 16 OTHER INFORMATION

References

NOHSC: 2011 (2003)	National Code of Practice for the Preparation of Material Safety Data Sheets 2 nd Edition, April 2003, National Health and Safety Commission
NOHSC: 2011 (1994)	National Code of Practice for the Labelling of Workplace Substances, March 1994, Australian Government Publishing Services, Canberra
NES	National Occupational Exposure Standards for Workplace Atmospheric Contaminants (NES), Safe Work Australia
ADC Code	Australian Dangerous Goods Code 7 th Edition

AUTHORIZATION

Authorised by	Quality Assurance Manager
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DISCLAIMER STATEMENT;

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This SDS has been prepared according to Worksafe Australia /NOHSC guidelines. All information and data herein are believed to be accurate and have been compiled from sources we consider as reliable. It is intended as a guide for safe handling, storage and use in veterinary application, but it is not a specification or guarantee of specific properties. Since Zoo Pets Pty Ltd cannot anticipate or control the condition of handling and use, or misuse of the product in the workplace, each user should read this Safety Date Sheet, prior to usage, in context of maintaining the product safely. Physical characteristics described herein are typical values based on material tested. The user should take due care to ensure the use and / or disposal of the product and empty container complies with relevant legislation.

END OF SDS