

# SAFETY DATA SHEET

## VALUE PLUS VITAMIN B-COMPLEX POWDER

### SECTION 1 IDENTIFICATION

**Product Name:** VALUE PLUS VITAMIN B-COMPLEX POWDER  
**Company Product Code:** VAL9340, VAL9343, VAL9346  
**Other Names:** Not applicable  
**Recommended Use/Restrictions:** Nutritional factor. Provides B-Group vitamins to supplement levels that are deficient in normal feeds.

**Company:** Value Plus Animal Health Care Products Pty Ltd  
**Address:** 6 Interchange Drive, Eastern Creek NSW 2766  
PO Box 335, Horsley Park NSW 2175  
W: www.valueplus.net.au E: info@valueplus.net.au  
**Telephone Number:** +61 (0)2 8868 8688 (Mon-Thurs 9:00am – 5:00pm; Fri 9:00am – 4:30pm)  
**Fax Number:** +61 (0)2 8868 8647  
**Emergency Telephone Number:** Poisons Information Centre 13 11 26

### SECTION 2 HAZARDS IDENTIFICATION

**Hazard Classification:** No specific data is available but no adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label.

**Signal Word:** No data available  
**Hazard Statement:** No data available  
**Precautionary Statement:** No data available

### SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>Proportion (%)</u> |
|----------------------|-------------------|-----------------------|
| Thiamine Monitrate   | 532-43-4          | 1.25%                 |
| Riboflavin           | 83-88-5           | 0.125%                |
| Pyridoxine HCl       | 58-56-0           | 2.00%                 |
| Nicotinamide         | 98-92-0           | 0.10%                 |
| Cyanocobalamin       | 68-19-9           | < 0.1%                |
| Inert Ingredients    |                   | to 100.0%             |

### SECTION 4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

#### Swallowed:

*Necessary First Aid Measures -* No emergency first aid care is required.  
*Symptoms Caused by Exposure -* No significant problem is expected for this type of product.  
*Medical Attention and Special Treatment -* If poisoning occurs contact a doctor or Poisons Information Centre, Phone 13 11 26, from anywhere in Australia. Treat symptomatically.

#### Eye:

*Necessary First Aid Measures -* If product gets in eyes, hold eyelids apart and flush the eye continuously with running water for 10 minutes.  
*Symptoms Caused by Exposure -* Mild irritation may develop on direct contact but will not cause any lasting effect.  
*Medical Attention and Special Treatment -* If swelling, redness or irritation occurs, seek medical assistance. Treat symptomatically.

#### Skin:

*Necessary First Aid Measures -* Wash contaminated skin with soap and water and remove any contaminated clothing. No further measures should normally be required  
*Symptoms Caused by Exposure -* Unlikely to cause any significant problem.  
*Medical Attention and Special Treatment -* If swelling, redness or irritation occurs seek medical assistance. Treat symptomatically.

#### Inhaled:

*Necessary First Aid Measures -* No first aid measures normally required.  
*Symptoms Caused by Exposure -* This product should not present any problem when inhaled.  
*Medical Attention and Special Treatment -* If irritation develops, remove to fresh air and observe until recovered. Treat symptomatically.

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### SECTION 5 FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Suitable Extinguishing Equipment:</b>                               | In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.  |
| <b>Specific Hazards Arising from the Chemical:</b>                     | Product is a non-flammable solid.  |
| <b>Special Protective Precautions and Equipment for Fire Fighters:</b> | Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment. |

### SECTION 6 ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| <b>Personal Precautions, Protective Equipment and Emergency Procedures:</b> | Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. |
| <b>Environmental Precautions:</b>   | Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.  |
| <b>Methods and Materials for Containment and Clean Up:</b>                  | Contain and sweep/shovel up spills with dust binding material or use wet sweeping or a vacuum to avoid dust dispersal. Transfer to a suitable, labelled container and dispose of promptly. Wash with plenty of water.  |

### SECTION 7 HANDLING AND STORAGE

|   |   |
|---|---|
| <b>Precautions for Safe Handling:</b>                             | Wash hands and face thoroughly after handling, and before eating, drinking, smoking or using toilet facilities. |
| <b>Conditions for Safe Storage (Including Any Incompatibles):</b> | Avoid creating dust and exposure to high temperature or humidity. Keep container closed when not in use.        |

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

|  |   |
|--|---|
| <b>National Exposure Standards:</b>    | The nature of this product makes it unlikely to cause any problem when handled in accordance to instructions.     |
| <b>Biological Monitoring:</b>          | No information available on biological limit values for this product.   |
| <b>Control Banding:</b>                | No data available   |
| <b>Engineering Controls:</b>           | Use in well-ventilated areas. As a protective measure, use safety mask.   |
| <b>Individual Protection Measures:</b> |   |
| <i>Eye and Face Protection -</i>       | It is always prudent to use protective eyewear (safety glasses, goggles) when there is potential for eye contact. |
| <i>Skin Protection -</i>               | Protective gloves may be worn when using this product.  |
| <i>Respiratory Protection -</i>        | Respirator is usually not required.   |
| <i>Thermal Hazards -</i>               | This product is essentially safe to use without special protective clothing.                                      |

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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

|   |                                    |
|---|------------------------------------|
| Appearance:                             | Pale yellow, free-flowing powder   |
| Odour:                                  | Slight, characteristic of vitamins |
| Odour Threshold:                        | not available                      |
| pH:                                     | 4.5-6.5 (10% Solution)             |
| Melting Point:                          | 83-130°C                           |
| Boiling Point:                          | Not applicable                     |
| Flash Point:                            | Not applicable                     |
| Evaporation Rate:                       | Not applicable                     |
| Flammability:                           | Not applicable                     |
| Flammability or Explosive Limits:       | Not applicable                     |
| Vapour Pressure:                        | Not applicable                     |
| Vapour Density:                         | Not applicable                     |
| Relative Density:                       | Not applicable                     |
| Solubility:                             | Soluble in water                   |
| Partition coefficient: n-octanol/water: | Not applicable                     |
| Auto Ignition Temperature:              | Not applicable                     |
| Decomposition Temperature:              | Not applicable                     |
| Viscosity:                              | Not applicable                     |

### SECTION 10 STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | Not applicable   |
| Chemical Stability:                 | This product is unlikely to spontaneously decompose.   |
| Possibility of Hazardous Reactions: | This product is unlikely to spontaneously polymerise.  |
| Conditions to Avoid:                | Avoid excessive heat, generating dust, direct sunlight, moisture, humidity and high temperatures. Keep protected from light. |
| Incompatible Materials:             | Not applicable   |
| Hazardous Decomposition Products:   | Not applicable   |

### SECTION 11 TOXICOLOGICAL INFORMATION

|   |  |
|---|--|
| Acute Toxicity:                                     | Oral LD50 Rat : 25800mg/Kg   |
| Skin Corrosion/Irritation:                          | Dust may cause mechanical irritation.<br>Low hazard for usual industrial use handling.   |
| Serious Eye Damage/Irritation:                      | No adverse effects expected but dust may cause mechanical irritation.  |
| Respiratory or Skin Sensitisation:                  | No hazard expected in normal industrial use.   |
| Germ Cell Mutagenicity:                             | No data available  |
| Carcinogenicity:                                    | No carcinogenicity data available for this product.<br>None of this product's components are listed by ACGIH, IARC, OSHA, or NTP |
| Reproductive Toxicity:                              | No data available  |
| Specific Target Organ Toxicity – Single Exposure:   | No data available  |
| Specific Target Organ Toxicity – Repeated Exposure: | No data available  |
| Aspiration Hazard:                                  | No data available  |
| Possible Routes of Exposure:                        | No data available  |
| Early Onset Symptoms Related to Exposure:           | No data available  |
| Delayed Health Effects From Exposure:               | No data available  |
| Exposure Levels and Health Effects:                 | Extremely large oral doses may produce gastric disturbances.   |
| Interactive Effects:                                | No data available  |
| Other Information:                                  | No data available  |

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## VALUE PLUS VITAMIN B-COMPLEX POWDER

### SECTION 12 ECOLOGICAL INFORMATION

|                                       |   |
|---------------------------------------|---|
| <b>Ecotoxicity:</b>                   | No ecological information available for this product.         |
| <b>Persistence and Degradability:</b> | No adverse effect reported. Material is biodegradable.        |
| <b>Bioaccumulative Potential:</b>     | No information available on bioaccumulation for this product. |
| <b>Mobility in Soil:</b>              | No information available on mobility for this product.        |
| <b>Other Adverse Effects:</b>         | Avoid contaminating waterways, drains and sewers.             |

### SECTION 13 DISPOSAL CONSIDERATIONS

|   |   |
|---|---|
| <b>Disposal Containers and Methods:</b>                               | Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. |
| <b>Physical/Chemical Properties that May affect Disposal Options:</b> | No data available   |
| <b>Effects of Sewerage Disposal:</b>                                  | No data available   |
| <b>Special Precautions for Incineration/Landfill:</b>                 | Contact a specialist disposal company or the local waste regulator for advice.  |

### SECTION 14 TRANSPORT INFORMATION

|  |                |
|--|----------------|
| <b>UN Number:</b>                                    | Not applicable |
| <b>Shipping Name:</b>                                | Not applicable |
| <b>Transport Hazard Class:</b>                       | Not applicable |
| <b>Packing Group:</b>                                | Not applicable |
| <b>Environmental Hazards for Transport Purposes:</b> | Not applicable |
| <b>Precaution for User:</b>                          | Not applicable |
| <b>Additional Information:</b>                       | Not applicable |
| <b>HAZCHEM or Code:</b>                              | Not applicable |

### SECTION 15 REGULATORY INFORMATION

|   |                |
|---|----------------|
| <b>Subject to the Following International Agreements:</b> | Not applicable |
| <b>APVMA Number:</b>                                      | Not applicable |

### SECTION 16 OTHER INFORMATION

**Date of Preparation / Revision: September 2012**

**Changes Made During Revision:** Not applicable

This SDS is prepared in accordance to the "Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011".

**This SDS contains only safety related information. For other data see product literature.**

#### Acronyms/Abbreviations:

|                       |  |
|-----------------------|--|
| <                     | less than                                    |
| >                     | greater than                                 |
| <b>AICS</b>           | Australian Inventory of Chemical Substances  |
| <b>ADG</b>            | Australian Dangerous Goods Code              |
| <b>CAS</b>            | Chemical Abstracts Service (Registry Number) |
| <b>CO<sub>2</sub></b> | Carbon Dioxide                               |
| <b>COD</b>            | Chemical Oxygen Demand                       |
| <b>ERMA</b>           | Environmental Risk Management Authority      |
| <b>HSNO</b>           | Hazardous Substance and New Organism         |
| <b>IATA</b>           | International Air Transport Association      |
| <b>IDLH</b>           | Immediately Dangerous to Life and Health     |
| <b>IMDG</b>           | International Maritime Dangerous Goods Code  |

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|                         |  |
|-------------------------|--|
| <b>LC50</b>             | LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. |
| <b>LD50</b>             | LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals  |
| <b>Misc</b>             | miscible   |
| <b>N/A</b>              | Not Applicable   |
| <b>NIOSH</b>            | National Institute for Occupational Safety and Health  |
| <b>NOHSC</b>            | National Occupational Health and Safety Commission   |
| <b>OECD</b>             | Organization for Economic Co-operation and Development   |
| <b>PEL</b>              | Permissible Exposure Limit   |
| <b>RCP</b>              | Reciprocal Calculation Procedure   |
| <b>STEL</b>             | Short Term Exposure Limit  |
| <b>TLV</b>              | Threshold Limit Value  |
| <b>TWA</b>              | Time Weighted Average  |
| <b>UN</b>               | United Nations (number)  |
| <b>cm<sup>2</sup></b>   | square centimetres   |
| <b>deg C ( °C )</b>     | degrees Celsius  |
| <b>g</b>                | gram   |
| <b>g/cm<sup>3</sup></b> | grams per cubic centimetre   |
| <b>g/l</b>              | grams per litre  |
| <b>immiscible</b>       | liquids are insoluble in each other  |
| <b>kg</b>               | kilogram   |
| <b>kg/m<sup>3</sup></b> | kilograms per cubic metre  |
| <b>ltr</b>              | Litre  |
| <b>m<sup>3</sup></b>    | cubic metre  |
| <b>mPa.s</b>            | milli Pascal per second  |
| <b>mbar</b>             | millibar   |
| <b>mg</b>               | milligram  |
| <b>mg/24H</b>           | milligrams per 24 hours  |
| <b>mg/kg</b>            | milligrams per kilogram  |
| <b>mg/m<sup>3</sup></b> | milligrams per cubic metre   |
| <b>miscible</b>         | liquids form one homogeneous liquid phase regardless of the amount of either component present   |
| <b>mm</b>               | millimetre   |
| <b>ppb</b>              | parts per billion  |
| <b>ppm</b>              | parts per million  |
| <b>ppm/2h</b>           | parts per million per 2 hours  |
| <b>ppm/6h</b>           | parts per million per 6 hours  |
| <b>tne</b>              | tonne  |
| <b>ug/24H</b>           | micrograms per 24 hours  |
| <b>wt</b>               | weight   |

This SDS summarises Value Plus Animal Health Care Products P/L best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Value Plus Animal Health Care Products P/L expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the SDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

**END OF SDS**