

# SAFETY DATA SHEET

## VALAGRO PLANTAFOL 05-15-45

Date of Issue: December 2016

### 1. IDENTIFICATION

|   |  |
|---|--|
| <b>Product Identifier:</b>                                      | <b>VALAGRO PLANTAFOL 05-15-45</b>  |
| <b>Other Means of Identification:</b>                           | None   |
| <b>Recommended Use of the Chemical and Restrictions on Use:</b> | Fertiliser   |
| <b>Details of Manufacturer or Importer:</b>                     | Campbells Fertilisers Australasia<br>18 Raymond Road, Laverton North, Victoria, 3026<br>Phone: (03) 9931 2211<br>Fax: (03) 9931 2201<br><a href="http://www.campbellsfert.com.au">www.campbellsfert.com.au</a> |
| <b>Emergency Telephone Number:</b>                              | (03) 9931 2211 (business hours only 8.30 am to 5.00 pm)<br>0418 350 726 (after business hours)<br>Poisons Information Centre 131126  |

### 2. HAZARD(S) IDENTIFICATION

Not classified as hazardous according to Safe Work Australia (HCIS)

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 New Zealand

HSNO classification: 6.4A: substances that are irritating to the eye.



Pictogram: Exclamation Mark

#### **GHS Hazard Class and Category:**

Eye Damage/Irritation– category 2A: “Warning”

Hazard statement: H319 Causes serious eye irritation

#### Precautionary Statements:

##### **Prevention**

P103 Read label before use

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

##### **Response**

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

### Storage

No relevant statements

### Disposal

P501 Dispose of contents/container in accordance with local/regional/national regulations.

### ADG

**Classification:** Based on available information, not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7<sup>th</sup> Edition

### SUSMP

**Classification:** Exempt from Poison Scheduling

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

| Component:                   | CAS Number: | Proportion (%): |
|------------------------------|-------------|-----------------|
| Tetrapotassium pyrophosphate | 7320-34-5   | 10-12.5         |
| Potassium nitrate            | 7757-79-1   | 30-40           |

## 4. FIRST AID MEASURES

### Description of Necessary First Aid Measures:

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical advice.

**Skin Contact:** Remove contaminated clothing immediately and dispose of safely. Wash skin thoroughly with mild soap and water. If skin irritation occurs, seek medical advice/attention.

**Eye Contact:** Rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses if present and easy to do. Continue rinsing. Protect uninjured eye.

**Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

**First Aid Facilities:** Ensure washing facilities, including an eyewash, are available and maintained. Ensure first aider uses personal protection equipment.

### Symptoms caused by Exposure:

**Inhalation:** May cause irritation, cough, shortness of breath

**Skin:** Repeated or prolonged skin contact may cause irritation, itching, redness and blistering

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**Eye:** Irritating to eyes, symptoms may include stinging, tearing, redness, swelling and blurred vision

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting, diarrhoea

**Medical Attention and Special Treatment:** In case of accident, seek immediately medical advice showing the safety data sheet

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Equipment:** Water, carbon dioxide (CO<sub>2</sub>), dry chemical powder. (Unsuitable extinguishing media include combustible materials)

**Specific Hazards arising from the Chemical:** Do not breathe fumes

**Special Protective Equipment and Precautions for Fire Fighters:** Evacuate personnel away from fumes. Cool down the containers exposed to heat with water spray. Move undamaged containers from immediate hazard area if it can be done safely. Extra personal protection: complete protective clothing including self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

For non-emergency personnel:

- Do not attempt to take action without suitable protective equipment. Wear personal protection equipment.
- Alert emergency personnel.

For emergency responders:

- Wear suitable protective clothing, gloves and eye/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Evacuate unnecessary personnel.

**Environmental Precautions:** Avoid release to the environment

**Methods and Materials for Containment and Cleaning Up:** Stop leak if safe to do so. Ventilate affected area. Wear personal protection equipment. Minimize generation of dust. Wash with plenty of soap and water. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Consult the appropriate authorities about waste disposal. Do not allow uncontrolled discharge of product into the environment.

### 7. HANDLING AND STORAGE

**Precautions for** Avoid contact with skin and eyes. Avoid breathing mist or vapour. Keep away from sources of ignition - no smoking. Keep away from

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|--|---|
| <b>Safe Handling:</b>  | metals, dust, organic materials. Minimize generation of dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.   |
| <b>Conditions for Safe Storage, including any Incompatibilities:</b> | Store tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight. Do not store with incompatible products, i.e. oxidising agents, reducing agents, acids, combustible materials, powdered metals. Keep away from open flames, hot surfaces and sources of ignition. Keep away from food, drink and animal feeding stuffs. |

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

|   |   |
|---|---|
| <b>Exposure Standards:</b>  | <p>No value assigned for this specific material by the NZ Dept of Labour (Health and Safety)</p> <p><i>Tetrapotassium pyrophosphate (EU parameters)</i><br/>           DNEL/DMEL (Workers):<br/>           Long-term systemic effects, inhalation: 2.79 mg/m<sup>3</sup></p> <p>DNEL/DMEL (General population):<br/>           Long-term systemic effects, oral: &gt;70 mg/kg bw/day<br/>           Long-term systemic effects, inhalation: 680 mg/m<sup>3</sup></p> <p>PNEC (Water)<br/>           PNEC aqua (fresh water): 0.05 mg/L<br/>           PNEC aqua (marine water): 0.005 mg/L<br/>           PNEC aqua (intermittent fresh water): 0.5 mg/L<br/>           PNEC STP:<br/>           PNEC sewage treatment plant: 50 mg/L</p> |
| <b>Biological Monitoring:</b>   | Not available   |
| <b>Control Banding:</b>   | Not available   |
| <b>Engineering Controls:</b>  | Provide adequate ventilation  |
| <b>Individual Protection Measures e.g. Personal Protective Equipment (PPE):</b> | <p><i>Respiratory Protection:</i><br/>           Where excessive dust may result, wear an approved mask. Dust production: dust mask with P2 filters.</p> <p><i>Skin Protection:</i><br/>           Chemical resistant protective apron/clothing (tested to EN14605 or equivalent). Chemical resistant gloves according to the European standard EN374 or equivalent. Protective gloves made of rubber or PVC.</p> <p><i>Eye Protection:</i><br/>           Wear eye glasses with side protection according to the standard EN166 or equivalent.</p> <p><i>Thermal Hazards:</i><br/>           None known.</p>   |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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|   |                         |
|---|-------------------------|
| <b>Appearance:</b>                          | White crystalline solid |
| <b>Odour:</b>                               | Characteristic          |
| <b>Vapour Pressure:</b>                     | Not applicable, solid   |
| <b>Density:</b>                             | 1.3 kg/L                |
| <b>Vapour Density:</b>                      | Not applicable, solid   |
| <b>Boiling Point:</b>                       | Not applicable, solid   |
| <b>Melting/Freezing Point:</b>              | No data available       |
| <b>Solubility (in water):</b>               | 100 g/L at 25°C         |
| <b>pH solution:</b>                         | 6.3 1% at 20°C          |
| <b>Flash Point:</b>                         | Not applicable, solid   |
| <b>Flammability (explosive) Limits:</b>     | No data available       |
| <b>Auto-Ignition Temperature:</b>           | No data available       |
| <b>Octanol/Water Partition Coefficient:</b> | No data available       |
| <b>Thermal decomposition:</b>               | No data available       |

### 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Reactivity:</b>                         | No additional information available.   |
| <b>Chemical Stability:</b>                 | Product is stable under normal (ambient) temperatures and pressure.                          |
| <b>Possibility of Hazardous Reactions:</b> | No polymerization. Reacts violently with oxidizing agents, strong acids.                     |
| <b>Conditions to Avoid:</b>                | Heat, sparks, open flames, hot surfaces, humidity.   |
| <b>Incompatible Materials:</b>             | Oxidizing agents, reducing agents, acids, combustible materials, powdered metals.            |
| <b>Hazardous Decomposition Products:</b>   | Nitrogen oxides, potassium oxides, carbon oxides (CO, CO <sub>2</sub> ), phosphorous oxides. |

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological Information of the Mixture:

|                                       |  |
|---------------------------------------|--|
| <b>Acute Toxicity:</b>                | Not classified<br><i>Tetrapotassium pyrophosphate:</i><br>LD50 oral rat >2000 mg/kg<br>LD50 dermal rabbit >2000 mg/kg OECD 402<br>LC50 inhalation rat (mg/L) >1.1 mg/L OECD 403, EU method B.2 |
| <b>Skin Corrosion/Irritation:</b>     | Not classified   |
| <b>Serious Eye Damage/Irritation:</b> | Causes serious eye irritation  |

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|---|----------------|
| <b>Respiratory or Skin Sensitisation:</b>                         | Not classified |
| <b>Germ Cell Mutagenicity:</b>                                    | Not classified |
| <b>Carcinogenicity:</b>   | Not classified |
| <b>Reproductive Toxicity:</b>                                     | Not classified |
| <b>Specific Target Organ Toxicity (STOT) - Single Exposure:</b>   | Not classified |
| <b>Specific Target Organ Toxicity (STOT) - Repeated Exposure:</b> | Not classified |
| <b>Aspiration Hazard:</b>   | Not classified |

### Likely Routes Of Exposure

|                    |  |
|--------------------|--|
| <b>Inhalation:</b> | May cause irritation, cough, shortness of breath   |
| <b>Skin:</b>       | Repeated or prolonged skin contact may cause irritation, itching, redness and blistering         |
| <b>Eye:</b>        | Irritating to eyes, symptoms may include stinging, tearing, redness, swelling and blurred vision |
| <b>Ingestion:</b>  | May cause gastrointestinal irritation, nausea, vomiting, diarrhoea                               |

## 12. ECOLOGICAL INFORMATION

|                                       |  |
|---------------------------------------|--|
| <b>Ecotoxicity:</b>                   | <i>Tetrapotassium pyrophosphate:</i><br>LC50 fish 1 >100 mg/L (Exposure time 96 h, <i>Oncorhynchus mykiss</i> )<br>EC50 Daphnia 1 >100 mg/L (Exposure time 48 h, water flea)<br>EC50 72 h algae 1 >100 mg/L OECD 201<br>ErC50 (other aquatic plants) >1000 mg/L 3 h OECD 209 |
| <b>Persistence and Degradability:</b> | The methods for determining the biological degradability are not applicable to inorganic substances  |
| <b>Bioaccumulative Potential:</b>     | No additional information available  |
| <b>Mobility in Soil:</b>              | Expected to be highly mobile in soil   |
| <b>Other Adverse Effects:</b>         | No additional information available  |

## 13. DISPOSAL CONSIDERATIONS

|                            |  |
|----------------------------|--|
| <b>Product Disposal:</b>   | Reuse or recycle following decontamination. External recovery and recycling of waste should comply with applicable local/national regulations. |
| <b>Container Disposal:</b> | Dispose in a safe manner in accordance with local/national regulations.  |

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### 14. TRANSPORT INFORMATION

|  |  |
|--|--|
| <b>Classification:</b>                               | Based on available information, not classified as Dangerous Goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7 <sup>th</sup> Edition. |
| <b>UN Number:</b>                                    | Not applicable   |
| <b>Proper Shipping Name or Technical 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>Special Precautions for User:</b>                 | Not applicable   |
| <b>HAZCHEM Code:</b>                                 | Not applicable   |

### 15. REGULATORY INFORMATION

|   |                               |
|---|-------------------------------|
| <b>SUSMP:</b>   | Exempt from Poison Scheduling |
| <b>APVMA:</b>   | Exempt from registration      |
| <b>State Departments of Agriculture / Primary Industries:</b> | Registration not required     |
| <b>Australian Inventory of Chemical Substances (AICS):</b>    | All components listed         |

### 16. OTHER INFORMATION

|                                 |   |
|---------------------------------|---|
| <b>Edition:</b>                 | Initial edition                               |
| <b>Revision Due:</b>            | December 2021                                 |
| <b>Reason for Revision:</b>     | Initial version                               |
| <b>Preparation Information:</b> | Prepared by Campbells Fertilisers Australasia |
| <b>Data Sources:</b>            | Supplier SDS                                  |

#### Glossary:

|              |   |
|--------------|---|
| <b>APVMA</b> | Australian Pesticides and Veterinary Medicines Authority              |
| <b>CAS</b>   | Chemical Abstract Services number, used to uniquely identify chemical |



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- compounds
- DMEL** Derived Minimum Effect Level
- DNEL** Derived No Effect Level
- OECD** Organization for Economic Co-operation and Development
- PNEC** Predicted No Effect Concentration
- PPE** Personal protective equipment
- SUSMP** Standard for the Uniform Scheduling of Medicines and Poisons

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of Campbell's Fertilisers, it is the user's responsibility to determine conditions of safe use of the product.

END OF SDS