



SAFETY DATA SHEET

Valagro Plantafol 20-20-20

Date of Issue: April 2016

1. IDENTIFICATION

Product Identifier: Valagro Plantafol 20-20-20

Other Means of Identification: None

Recommended Use of the Chemical and Restrictions on Use: Fertiliser

Details of Manufacturer or Importer: Campbells Fertilisers Australasia
18 Raymond Road, Laverton North, Victoria, 3026
Phone: (03) 9931 2211
Fax: (03) 9931 2201
www.campbellsfert.com.au

Emergency Telephone Number: (03) 9931 2211 (business hours only 8.30 am to 5.00 pm)
0418 350 726 (after business hours)

2. HAZARD(S) IDENTIFICATION

GHS Classification: Not classified as hazardous according to the GHS

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, 7th Edition

SUSMP Classification: Exempt from Poison Scheduling

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component:	CAS Number:	Proportion (%w/w):
Non-hazardous Components	-	100

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4. FIRST AID MEASURES

Description of Necessary First Aid Measures:

- Inhalation:** Remove casualty to fresh air and keep warm and at rest.
- Skin Contact:** Wash with plenty of soap and water.
- Eye Contact:** Rinse immediately with plenty of water and seek medical advice.
- Ingestion:** Never give anything by mouth to an unconscious person. If person is conscious, rinse mouth with water and then give plenty of water to drink. Do not induce vomiting unless instructed to do so by medical personnel. **OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.**
- First Aid Facilities:** Ensure washing facilities, including an eyewash, are available and maintained.
- Advice:** Persons providing first aid must use personal protection equipment (latex gloves and safety glasses).

Symptoms caused by Exposure:

- Inhalation:** Possible irritation of respiratory tract.
- Skin Contact:** Possible irritation according to the contact time with the product.
- Eye Contact:** Possible irritation according to the contact time with the product.
- Ingestion:** Possible irritation of mouth and digestive tract.

Medical Attention and Special Treatment:

If exposed, concerned or if symptoms persist, get medical attention/advice. If medical advice is needed, have product container or label at hand.

5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Equipment:** Water, carbon dioxide (CO₂)
- Specific Hazards arising from the Chemical:** Do not inhale explosion and combustion gases. Burning produces smoke containing nitrogen oxides, phosphorous oxides. Can cause the ignition of combustible substances even in the absence of air.
- Special Protective Equipment and Precautions for Fire Fighters:** Use suitable breathing apparatus. Avoid dust generation. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

For non-emergency personnel:

- No action shall be taken involving any personal risk or without suitable training.
- Wear protective clothes giving total skin protection, gloves and safety glasses
- Keep people not involved in the emergency intervention away from the affected area.
- Ensure adequate ventilation
- Alert the internal emergency team

For emergency responders:

- Wear protective clothes giving total skin protection, PVC gloves and safety glasses
- See protective measures in section 8
- Move people into a safe place

Environmental Precautions:

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Dilute with water and retain contaminated wash water and dispose in authorized facilities or pick up in clean plastic labeled containers and reuse as fertilizer. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, sand. Avoid organic materials and combustible substances (such as sawdust).

Methods and Materials for Containment and Cleaning Up:

Wash with plenty of water. Contain leaks with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid contact with skin and eyes, inhalation of vapours and mists. Avoid dust generation and keep away from sources of ignition. Avoid contamination from any source of metals, dust and organic materials. Do not drink or eat in work areas. See section 8 for recommended protective equipment.

Conditions for Safe Storage, including any Incompatibilities:

Keep in original containers tightly closed in a well-ventilated area away from humidity and sources of heat and ignition. Avoid exposure to direct sunlight. Keep away from food, drink or feed and from combustible materials. Incompatible materials: Acids, bases, oxidizing and reducing agents, combustible materials. Adequately ventilate premises and keep them cool and dry.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	No occupational exposure limit available. General exposure limit for dust: ACGIH: recommended value inhalable dust: TLV/TWA: 10 mg/m ³ ACGIH: recommended value breathable dust: TLV/TWA: 3 mg/m ³
Biological Monitoring:	Not available.
Control Banding:	Not available.
Engineering Controls:	Not specified.
Individual Protection Measures e.g. Personal Protective Equipment (PPE):	Please observe the usual precautionary measures for handling of chemicals <i>Eye and Face Protection:</i> Wear close-fitting safety goggles according to the standard EN166. Do not use contact lenses. <i>Skin Protection:</i> Wear PVC gloves according to the standard EN374. Wear protective clothing according to the standard EN14605. <i>Respiratory Protection:</i> Not needed for normal use. Use dust mask with filters in case of dust generation <i>Thermal Hazards:</i> None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystals
Odour:	Not available
Vapour Pressure (mm Hg):	Not available
Apparent Density:	1-1.1 kg/dm ³
Boiling Point:	Not available
Freezing/Melting Point:	Not available
Solubility (aqueous solution):	300 g/L at 20°C
Specific Gravity:	Not available
pH 1% (water):	4.5 at 20°C
Flash Point:	Not available
Flammability (explosive) Limits:	Not available
Auto-Ignition Temperature:	Not available
Octanol/Water Partition Coefficient:	Not available

10. STABILITY AND REACTIVITY

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Chemical Stability:	Stable under normal conditions of storage and handling
Possibility of Hazardous Reactions:	At high temperatures, which induce thermal decomposition, the product may release hazardous gases.
Conditions to Avoid:	Stable under normal conditions. Avoid high temperatures that induce thermal decomposition. Avoid dust generation. Dusts at sufficient concentrations can form explosive mixtures with air. Avoid any accumulation of electrostatic charge. The product can cause the ignition of combustible substances even in the absence of air.
Incompatible Materials:	Acids, bases, oxidizing and reducing agents, combustible materials.
Hazardous Decomposition Products:	In case of fire and high temperatures, can develop nitrogen oxides, phosphorous oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological Effects:

In case of ingestion of large amounts, NO₃-ions contained in the product can oxidize the iron atoms in haemoglobin making it unable to carry oxygen effectively to the tissues (methaemoglobin).

Acute Toxicity:	Not available
Skin	Not available
Corrosion/Irritation:	
Serious Eye Damage/Irritation:	Not available
Respiratory or Skin Sensitisation:	Not available
Germ Cell Mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive Toxicity:	Not available
Specific Target Organ Toxicity (STOT) – Single Exposure:	Not available
Specific Target Organ Toxicity (STOT) – Repeated Exposure:	Not available
Aspiration Hazard:	Not available

Possible Routes Of Exposure:

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Inhalation: Dust may irritate the respiratory tract. Possible symptoms: shortness of breath, sore throat.

Skin: Prolonged contact may cause irritation and itching.

Eye: Prolonged contact may cause irritation and itching, direct contact with eyes may cause irritation.

Ingestion: Ingestion of large amounts may cause nausea, vomiting, diarrhoea.

The phosphate present in the product can bind calcium to calcium phosphate and can cause calcium deposits in the kidneys. Persons with renal failure can be more susceptible to the effects of this substance.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Adopt good working practices so that the product is not released to the environment. The product contains nitrates and phosphates; environmental releases can cause serious adverse effects on the environment as nitrate pollution of surface water layers and internal eutrophication in surface waters.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: The product is soluble and mobile in both terrestrial and aquatic compartments.

13. DISPOSAL CONSIDERATIONS

Product Disposal: Recover if possible. In doing so, comply with state, federal and local regulations.

Container Disposal: Dispose of according to local regulations.

14. TRANSPORT INFORMATION

Classification: 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, 7th Edition.

UN Number: Not applicable

Proper Shipping Name or Technical Name: Not applicable

Transport Hazard Class: Not applicable

Packing Group: Not applicable

Environmental: Not applicable

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Hazards for Transport Purposes:
Special Precautions for User:
HAZCHEM Code: Not applicable

15. REGULATORY INFORMATION

SUSMP:	Exempt from Poison Scheduling
APVMA:	Exempt from registration
State Departments of Agriculture / Primary Industries:	Registration not required
Australian Inventory of Chemical Substances (AICS):	All components listed
Toxic Substance – NZ	Exempt

16. OTHER INFORMATION

Edition:	Initial edition
Revision Due:	April 2021
Reason for Revision:	Initial version
Preparation Information:	Prepared by Campbells Fertilisers Australasia
Data Sources:	Supplier SDS
Trademark Information:	Aqua-Fert is a Registered Trademark of Campbells Fertilisers Australasia

Glossary:

APVMA	Australian Pesticides and Veterinary Medicines Authority
CAS	Chemical Abstract Services number, used to uniquely identify chemical compounds
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