



SAFETY DATA SHEET

Campbells Rustica Plus

Date of Issue: July 2016

1. IDENTIFICATION

Product Identifier: Campbells Rustica Plus

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 Hazard Class and Category:

This product is not hazardous but contains hazardous components.
Classification EC 67/548 or EC 1999/45: not classified
Regulation (EC) No 1272/2008 (CLP); not classified

Mixtures contain ammonium nitrate and some or all of the following ingredients :
Phosphates, potassium salts, inert fillers (such as limestone), coating materials, secondary nutrients and micronutrients.

Mixtures containing less than 80% ammonium nitrate are not classified Irritating to eyes (Fertilizers Europe study July 2011).

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):
Ammonium nitrate	6484-52-2	1-70
Potassium sulphate	7778-80-5	1-60
Ammonium dihydrogenorthophosphate	7722-76-1	1-40

SAFETY DATA SHEET

Campbells Rustica Plus

Date of Issue: July 2016

(MAP)		
Calcium sulfate	7778-18-9	1-35
Diammonium hydrogenorthophosphate (DAP)	7783-28-0	1-35
Ammonium sulphate	7783-20-2	1-30
Potassium nitrate	7757-79-1	1-30
Calcium bis(dihydrogen-orthophosphate)	7758-23-8	1-20
Magnesium oxide	1309-48-4	0.01-7
Calcium hydrogenorthophosphate	7757-93-9	1-5
Potassium dihydrogenorthophosphate (MKP)	7778-77-0	1-5
Disodium tetraborate pentahydrate	12179-04-3	0.01-5
Iron sulfate	7782-63-0	0.01-2
Manganese sulfate	10034-96-5	0.01-1
Zinc sulfate	7446-19-7	0.01-1
Copper sulphate	7758-99-8	0.01-0.5

4. FIRST AID MEASURES

Description of Necessary First Aid Measures:

- Inhalation:** Remove casualty to fresh air.
- Skin Contact:** Wash skin with mild soap and water. Remove contaminated clothing and shoes.
- Eye Contact:** In case of dust contact with eyes, rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
- Ingestion:** Do not induce vomiting. Rinse mouth. Give water to drink if victim completely conscious/alert. Seek medical attention if ill effect develops.
- First Aid Facilities:** Ensure washing facilities, including an eyewash, are available and maintained.

Symptoms caused by Exposure:

- Inhalation:** No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.
- Skin:** Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Eye:** Dust from this product may cause eye irritation.
- Ingestion:** Health hazard if ingested in large quantities (gastro-intestinal disorders). In extreme cases, formation of methaemoglobin - "Blue baby syndrome" - and cyanosis may occur.

Medical Attention and Special Treatment:

Thermal decomposition generates toxic vapours.

5. FIRE FIGHTING MEASURES

- Suitable Extinguishing** Large quantity of water.
Do NOT use CO₂, foam or sand

SAFETY DATA SHEET

Campbells Rustica Plus

Date of Issue: July 2016

Equipment:	
Specific Hazards arising from the Chemical:	Thermal decomposition generates toxic vapours. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Special Protective Equipment and Precautions for Fire Fighters:	The product is not flammable. May accelerate the burning of other combustible materials. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Use water spray or fog for cooling exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Spills should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Methods and Materials for Containment and Cleaning Up:	Collect spills and put it into appropriate container. Use appropriate container to avoid product contamination. Do not allow to mix with sawdust and other combustible or organic substances. (See materials to avoid section 10)

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Keep away from food, drink and animal feeding stuffs. Both local exhaust and general room ventilation are usually required. Handle in accordance with good industrial hygiene and safety procedures. Minimize generation of dust.
Conditions for Safe Storage, including any Incompatibilities:	Keep only in the original container in a cool, well ventilated place. Store away from heat/moisture. Avoid (see section 10): organic materials, reducing agents, acids, alkalis, oxidizing agents, chlorides, nitrites, metallic powders and substances containing metals such as copper, nickel, cobalt, zinc and their alloys.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure	Manganese sulfate: TLV© -TWA [mg/m ³]: 0.2 (Mn)
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SAFETY DATA SHEET

Campbells Rustica Plus

Date of Issue: July 2016

Standards:	Manganese sulfate: HTP-värden - 8 H - [mg/m ³]: 5 General non-hazardous dust exposure limit TLV-TWA: 10 mg/m ³ (inhalable particles).
Biological Monitoring:	Not specified
Control Banding:	Not specified
Engineering Controls:	Provide local exhaust or general room ventilation.
Individual Protection Measures e.g. Personal Protective Equipment (PPE):	When using, do not eat, drink or smoke. <i>Respiratory Protection:</i> No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Where excessive dust may result, wear approved mask. <i>Skin Protection:</i> In case of repeated or prolonged contact wear gloves. If skin contact or contamination of clothing is likely, protective clothing should be worn. Dermal Protection: Protective clothing (long sleeved overall) and chemically resistant gloves (Nitrile rubber, chloroprene rubber, butyl rubber or other suitable gloves, complying with the requirements of EN 374 (breakthrough time: 480 min)). <i>Eye and Face Protection:</i> Where excessive dust may result, wear goggles. <i>Thermal Hazards:</i> Thermal decomposition generates toxic vapours. Wear appropriate PPE.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pellet
Odour:	Light
Vapour Pressure:	Not applicable (not volatile).
Density:	0.90-1.30
Vapour Density:	Not applicable (not volatile).
Boiling Point:	Decomposition before boiling.
Melting Point:	Decomposes below melting point.
Solubility (in water):	Good
pH:	(10%) >4.5
Flash Point:	Not applicable (solid).
Flammability (explosive) Limits:	Not applicable (non-flammable solid).
Auto-Ignition Temperature:	Not applicable (non-flammable solid).
Octanol/Water Partition Coefficient:	Not applicable (inorganic solid).
Thermal decomposition:	>130°C (depending on composition)

10. STABILITY AND REACTIVITY

Reactivity:	Product is stable under normal conditions of storage, handling and use.
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SAFETY DATA SHEET

Campbells Rustica Plus

Date of Issue: July 2016

Chemical Stability:	Product is stable under normal conditions of storage, handling and use.
Possibility of Hazardous Reactions:	None under normal conditions.
Conditions to Avoid:	Heat. Open flame. Prevent contamination by irrelevant materials.
Incompatible Materials:	Organic materials, reducing agents, acids, alkalis, oxidizing agents, chlorides, nitrites, metallic powders and substances containing metals such as copper, nickel, cobalt, zinc and their alloys.
Hazardous Decomposition Products:	Thermal decomposition generates: ammonia, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological Information of the Mixture:

Acute Toxicity:	No data available
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory or Skin Sensitisation:	No data available
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity (STOT) - Single Exposure:	No data available
Specific Target Organ Toxicity (STOT) - Repeated Exposure:	No data available
Aspiration Hazard:	No data available

Likely Routes Of Exposure

Inhalation:	No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.
Skin:	Not expected to present a significant skin hazard under anticipated conditions of normal use.
Eye:	Dust from this product may cause eye irritation.
Ingestion:	Health hazard if ingested in large quantities (gastro-intestinal disorders). In extreme cases, formation of methaemoglobin - "Blue baby syndrome" - and cyanosis may occur.

SAFETY DATA SHEET

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Date of Issue: July 2016

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Low toxicity to aquatic life. No data available.
Persistence and Degradability:	No data available
Bioaccumulative Potential:	The product does not show any bio-accumulation phenomena.
Mobility in Soil:	No data available
Other Adverse Effects:	Prevent entry to sewers and public waters. As this fertilizer contains nitrate, heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters or nitrate contamination of ground or surface water.

13. DISPOSAL CONSIDERATIONS

Product Disposal:	Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Container Disposal:	Dispose in a safe manner in accordance with local/national 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, 7 th Edition.
UN Number:	Not applicable
Proper Shipping Name or Technical Name:	Not applicable
Transport Hazard Class:	Not applicable
Packing Group:	Not applicable
Environmental Hazards for Transport Purposes:	Not applicable
Special Precautions for User:	Not applicable
HAZCHEM Code:	Not applicable

15. REGULATORY INFORMATION



SAFETY DATA SHEET

Campbells Rustica Plus

Date of Issue: July 2016

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

16. OTHER INFORMATION

Edition:	Initial edition
Revision Due:	July 2021
Reason for Revision:	Initial version
Preparation Information:	Prepared by Campbells Fertilisers Australasia
Data Sources:	Supplier SDS

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