



SAFETY DATA SHEET

CAMPBELLS COMPASS

Date of Issue: December 2016

1. IDENTIFICATION

Product CAMPBELLS COMPASS

Identifier:

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)
Poison Information Centre 131126

2. HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Not Classified

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Not classified.

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

- Hazard pictograms : None
- Hazard pictograms : None
- Signal words : None
- Hazard statements : None
- Precautionary statements : None

2.3. Other Hazards

Other hazards : According to Annex XIII of Regulation (EC) No 1907/2006, no PBT and vPvB assessment has been conducted since this product is inorganic.

SAFETY DATA SHEET
CAMPBELLS COMPASS

Date of Issue: December 2016

3. COMPOSITION AND INFORMATION ON INGREDIENTS

3.1. / 3.2 Substance / Preparation

Substance / Preparation : Preparation.

Components : This product is not hazardous but contains hazardous components.

Composition : 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).

Component:	CAS Number:	Proportion (%w/w):
Ammonium nitrate	6484-52-2	1-70
Potassium chloride	7447-40-7	1-60
Ammonium dihydrogenorthophosphate (MAP)	7722-76-1	1-40
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
Ammonium chloride	12125-02-9	1-20
Calcium bis(dihydrogenorthophosphate)	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	0.01-0.05

4. FIRST AID MEASURES

4.1. Description of first aid measures

First aid measures

- **Inhalation** : Assure fresh air breathing.
- **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.

**SAFETY DATA SHEET
CAMPBELLS COMPASS**

Date of Issue: December 2016

- Ingestion : Seek medical attention if ill effect or irritation develops.
: Do not induce vomiting.
Rinse mouth.
Give water to drink if victim completely conscious/alert.
Seek medical attention if ill effect develops.

4.2. Most important symptoms and effects, both acute and delayed

- Inhalation : No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.
- Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Eye contact : 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 - "Bue baby syndrome" - and cyanosis may occur.

4.3. Indication of any immediate medical attention and special treatment needed

- : Thermal decomposition generates toxic vapours.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- Suitable extinguishing media : Large quantity of water.
- Unsuitable extinguishing media : CO2. Foam.
Sand

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : Thermal decomposition generates toxic vapours.
Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

- Flammable class** : The product is not flammable. May accelerate the burning of other combustible materials.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire.
Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.
- Surrounding fires** : Use water spray or fog cooling exposed containers.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.2. Environmental precautions

**SAFETY DATA SHEET
CAMPBELLS COMPASS**

Date of Issue: December 2016

Environmental precautions : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Collect spills and put it into appropriated 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)

6.4. Reference to other sections

Reference to other sections : See Headings 7, 8, 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Personal protection : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.

Handling : 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.

Technical protective measures : Both local exhaust and general room ventilation are usually required.

General : Handle in accordance with good industrial hygiene and safety procedures.
Minimize generation of dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage : 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.

7.3. Specific end use(s)

: See Headings 1.1, 1.2.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits : Manganese sulfate : TLV[©] -TWA [mg/m³] : 0.2 (Mn)
Manganese sulfate : HTP-värden - 8 H - [mg/m³] : 5
General non-hazardous dust exposure limit TLV-TWA: 10 mg/m³ (inhalable particles).

8.2. Exposure controls

Personal protection

- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Where excessive

SAFETY DATA SHEET
CAMPBELLS COMPASS

Date of Issue: December 2016

- dust may result, wear approved mask.
- **Hand protection** : In case of repeated or prolonged contact wear gloves.
- **Skin protection** : If repeated 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)).
- **Eye protection** : Where excessive dust may result, wear goggles.
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide local exhaust or general room ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- Physical state at 20 °C** : Pellet.
- Odour** : Light.
- Odour threshold** : No data available.
- pH value** : (10%) > 4.5
- Melting point [°C]** : Decomposes below melting point.
- Boiling point [°C]** : Decomposition before boiling.
- Flash point [°C]** : Not applicable (solid).
- Evaporation rate** : Not applicable (solid).
- Flammability** : Not applicable (non-flammable solid).
- Explosion limits (lower - upper)** : Not classified as explosive according to EC criteria.
- Vapour pressure** : Not applicable (not volatile).
- Vapour density** : Not applicable (not volatile).
- Density** : 0.90-1.30
- Solubility in water** : Good.
- Partition coefficient : n-octanol / water** : Not applicable (inorganic solid).
- Auto-ignition temperature** : Not applicable (non-flammable solid).
- Thermal decomposition** : > 130°C (depending on composition).
- Viscosity** : Not applicable (solid).
- Explosive Properties** : Not classified as explosive according to EC criteria.

9.2. Other information

- Other information** : Non oxidizing material according to EC criteria.

SECTION 10 Stability and reactivity

SAFETY DATA SHEET

CAMPBELLS COMPASS

Date of Issue: December 2016

10. STABILITY AND REACTIVITY

10.1. Reactivity

: See 10.2.

10.2. Chemical stability

Stability and reactivity

: Product is stable under normal conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Hazardous reactions

: None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid

: Heat.
Open flame.
Prevent contamination by irrelevant materials.

10.5. Incompatible materials

Materials to avoid

: 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.

10.6. Hazardous decomposition products

Hazardous decomposition products

: Thermal decomposition generates : Ammonia. Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Rat oral LD50 [mg/kg]

: No data available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological effects information

: Low toxicity to aquatic life.

LC50-96 Hour - fish [mg/l]

: No data available.

12.2. Persistence and degradability

: No data available.

12.3. Bioaccumulative potential

: The product does not show any bio-accumulation phenomena.

12.4. Mobility in soil

: No data available.

12.5. Results of PBT and vPvB assessment

: According to Annex XIII of Regulation (EC) No 1907/2006, no PBT and vPvB assessment has been conducted since this product is inorganic.

12.6. Other adverse effects

SAFETY DATA SHEET

CAMPBELLS COMPASS

Date of Issue: December 2016

Environmental precautions : Prevent entry to sewers and public waters.
Attention : As this fertilizer contains nitrate and phosphate, 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

13.1. Waste treatment methods

General : Avoid release to the environment.
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, 7th Edition.

14.1. UN number

General information : Not regulated.

14.2. UN proper shipping name

: Not regulated.

14.3. Transport hazard class(es)

Land transport : Not regulated.

Sea transport : Not regulated.

Air transport : Not regulated.

14.4. Packing group

: Not regulated.

14.5. Environmental hazards

: None.

14.6. Special precautions for user

: None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

: Ensure all national/local regulations are observed.

Germany

: Gefahrstoffverordnung Anhang III/6 und TRGS 511 beachten

15.2. Chemical safety assessment

: No data available.

16. OTHER INFORMATION

Further information : None



SAFETY DATA SHEET

CAMPBELLS COMPASS

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The contents and format of this SDS are in accordance with Regulation (EU) 453/2010 (REACH Annex II).

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