

SAFETY DATA SHEET

Campbells Solu SAM



Date of Issue: May 2016

1. IDENTIFICATION

Product Identifier: Campbells Solu SAM

Other Means of Identification: Ammonium sulfate

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: Not scheduled

3. COMPOSITION AND INFORMATION ON INGREDIENTS

| Component: | CAS Number: | Proportion (%w/w): |
|-------------------|-------------|--------------------|
| Ammonium sulphate | 7783-20-2 | Not specified |

4. FIRST AID MEASURES

Description of Necessary First Aid Measures:

Inhalation: Remove casualty to fresh air.

Skin Contact: Flush skin with plenty of water. Remove contaminated clothing.

Eye Contact: Flush eyes with plenty of water.

Ingestion: Make casualty drink water. Consult a doctor if feeling unwell.

First Aid Facilities: Ensure washing facilities, including an eyewash, are available and maintained.

SAFETY DATA SHEET

Campbells Solu SAM

Date of Issue: May 2016

Symptoms caused by Exposure:

Inhalation: No data available.

Skin Contact: No data available.

Eye Contact: No data available.

Ingestion: No data available.

Medical Attention and Special Treatment:

None specified.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment: Use any means suitable for extinguishing surrounding fire.

Specific Hazards arising from the Chemical: Not combustible. Ambient fire may liberate hazardous vapours. Fire may cause evolution of nitrogen oxides, sulphur oxides.

Special Protective Equipment and Precautions for Fire Fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid inhalation of dusts.

Environmental Precautions: Do not empty into drains.

Methods and Materials for Containment and Cleaning Up: Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE

Precautions for Safe Handling: No specific requirement.

Conditions for Safe Storage, Keep in a tightly closed container, in a dry area.

SAFETY DATA SHEET

Campbells Solu SAM



Date of Issue: May 2016

including any
Incompatibilities:

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

| | |
|---|---|
| Exposure Standards: | No data available. |
| Biological Monitoring: | No data available. |
| Control Banding: | No data available. |
| Engineering Controls: | No data available. |
| Individual Protection Measures e.g. Personal Protective Equipment (PPE): | <p>Please observe the usual precautionary measures for handling of chemicals</p> <p><i>Eye and Face Protection:</i> Use tightly fitting safety goggles or safety glasses.</p> <p><i>Skin Protection:</i> Change contaminated clothing. Wash hands after working with substance.</p> <p><i>Respiratory Protection:</i> Required when dusts are generated.</p> <p><i>Thermal Hazards:</i> None specified.</p> |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------------|
| Appearance: | Colourless to white solid |
| Odour: | Odourless |
| Vapour Pressure (mm Hg): | No data available |
| Density: | 1.77 g/cm ³ at 20°C |
| Bulk Density: | Ca. 1000 kg/m ³ |
| Boiling Point: | Not applicable |
| Melting Point: | (decomposition), not applicable |
| Solubility (aqueous solution): | 754 g/L at 20°C |
| Specific Gravity: | Not available |
| pH (20°C): | Below 7 at 50 g/L |
| Flash Point: | Does not flash |
| Flammability (explosive) Limits: | No data available |
| Auto-Ignition Temperature: | Not applicable |
| Octanol/Water Partition Coefficient: | Not available |

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10. STABILITY AND REACTIVITY

| | |
|--|---|
| Chemical Stability: | Stable under normal conditions of storage and handling. |
| Possibility of Hazardous Reactions: | Not specified. |
| Conditions to Avoid: | Heat (decomposition) |
| Incompatible Materials: | Exothermic reaction with chlorates, with heat; nitrates with heat. Risk of explosion with chlorates with acids; nitrates with potassium, nitrates with acids; nitrites, sodium hypochlorite. Generates dangerous gases or fumes in contact with alkalines – may form ammonia. |
| Hazardous Decomposition Products: | In the event of fire, see section 5. Thermal decomposition >235°C. |

11. TOXICOLOGICAL INFORMATION

Toxicological Information of the Mixture:

| | |
|---|--|
| Acute Toxicity: | LD ₅₀ Rat Oral 2.840 mg/kg (IUCALID) |
| Skin Corrosion/Irritation: | Rabbit: no irritation (IUCALID) |
| Serious Eye Damage/Irritation: | Rabbit: no irritation (IUCALID) |
| Respiratory or Skin Sensitisation: | No data available |
| Germ Cell Mutagenicity: | Genotoxicity <i>in vitro</i> : Ames test - negative Method: OECD Test Guideline 471 |
| Carcinogenicity: | Mammalian cell test: chromosome aberration - negative (IUCALID) 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 data available |
| Skin: | No data available |
| Eye: | No data available |

SAFETY DATA SHEET

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Ingestion: No data available

Delayed and Immediate Effects from Short and Long Term Exposure:
No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: *Toxicity to fish:*
LC₅₀ (96 h) *Danio rerio* (zebra fish) 420 mg/L (IUCLID)
Toxicity to daphnia and other aquatic invertebrates:
EC₅₀ (48 h) *Daphnia magna* (water flea) 129 mg/L (IUCLID)

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Additional Ecological Information: Fertilizing effect possible. Do not allow to enter waters, waste waters or soil.

13. DISPOSAL CONSIDERATIONS

Product Disposal: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of according to state, federal and local regulations.

Container Disposal: Dispose of according to state, federal and 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: None allocated

Proper Shipping Name or Technical Name: None allocated

Transport Hazard Class: None allocated

Packing Group: None allocated

Environmental Hazards for Transport Purposes: None allocated

Special None allocated

SAFETY DATA SHEET

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Precautions for User:

HAZCHEM Code: None allocated

15. REGULATORY INFORMATION

| | |
|---|---------------------------|
| SUSMP: | Not scheduled |
| 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: | May 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:

| | |
|---------------|---|
| ACGIH | American Conference of Government Industrial Hygienists |
| APVMA | Australian Pesticides and Veterinary Medicines Authority |
| CAS | Chemical Abstract Services number, used to uniquely identify chemical compounds |
| IUCLID | International Uniform Chemical Information Database |
| NOHSC | National Occupational Health and Safety Commission |
| 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