

1. IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name/Trade Name: BioAgSOP

Recommended Use: For use as a fertiliser in agriculture.

Supplier: BioAg Pty Ltd

ABN: 58 086 880 211

Street Address: 22-26 Twynam Street, Narrandera, NSW 2700 Australia

Contact Details: Tel +61 2 6958 9911 Fax +61 2 6959 9922

Email: sales@bioag.com.au

Emergency Numbers (Not for general product advice):

BioAg: 0428 640 070 (All hours)

Poisons Information Centre (Westmead, NSW) Tel 1800 251 525 or 13 11 26.

2. HAZARD IDENTIFICATION

Globally Harmonised System Hazard Classification:

NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

National Transport Commission (Aust) Dangerous Goods Classification:

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

Poisons Schedule (Aust): None allocated.

Environmental Protection Authority (NZ) Hazardous Substances and New Organisms Amendment Act 2015:

HSNO Classifications: Health Hazards 6.3B Substances that are mildly irritating to the skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Potassium Sulphate

Product Identifier: CAS No 7778-80-5

Mixture: Not applicable.

4. FIRST AID MEASURES

General: If symptoms persist, call a physician.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Wash skin with plenty of water.
Eye Contact: Rinse eyes with water as a precaution.
Ingestion: Call a poison centre or a doctor if you feel unwell.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray. Dry powder. Foam.
Unsuitable Extinguishing Media: No information available.

Hazardous decomposition products in case of fire: Toxic fumes may be released.

Protection during fire fighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other Information: Do not allow run-off from fire fighting to enter drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

For non-emergency personnel: Ventilate spillage area.
For emergency responders: Do not attempt to take action without suitable protective equipment (see Section 8.).

Environmental Precautions: Prevent entry to sewers and public waters.

Other Information: Dispose of materials or solid residues at an authorised site.

7. HANDLING & STORAGE

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Store in a well ventilated place. Keep cool.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters - Workers

Long term – systemic effects, dermal: 21.3 mg/kg bodyweight/day

Long term – systemic effects, inhalation: 37.6 mg/m³

Control Parameters – General Population

Long term – systemic effects, oral: 12.8 mg/kg bodyweight/day

Long term – systemic effects, inhalation: 11.1 mg/m³

Long term – systemic effects, dermal: 12.8 mg/kg bodyweight/day

Control Parameters – Water

Fresh Water: 0.68 mg/l

Marine Water: 0.068 mg/l

Intermittent, freshwater: 6.8 mg/l

Control Parameters – Sewage Treatment Plant: 10 mg/l

Exposure Controls

Appropriate Engineering Controls: Ensure good ventilation of the work station.

Hand Protection: Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Nitrile rubber.

Eye Protection: Safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Dust protection: dust mask with filter type P1.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid, light grey, crystalline powder.

Odour: None to slight.

pH: 6-10 (50 g/l, 20°C).

Vapour Pressure: Not applicable.

Boiling Point: Not applicable.

Melting Point: 1069°C.

Freezing Point: Not applicable.

Decomposition Temperature: >700°C.

Solubility (water): 108 g/l (20°C).

Density: 2.66 g/cm³.

Bulk Density: 1,240 kg/m³.

Explosive Properties: Product is not explosive.

10. STABILITY & REACTIVITY

Reactivity: Product is stable.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reactions known under normal conditions of use.

Conditions to Avoid: None under recommended storage and handling conditions (see Section 7.).

Incompatible Materials: No additional information available.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGY INFORMATION

Acute Toxicity: Not classified.

LD50 Oral rat: > 2,000 mg/kg

LD50 Dermal rat: > 2,000 mg/kg

Skin Corrosion/Irritation: Not classified (Based on available data, the classification criteria are not met) pH: 6-10 (50 g/l, 20°C).

Serious Eye Damage/Irritation: Not classified (Based on available data, the classification criteria are not met) pH: 6-10 (50 g/l, 20°C).

Not classified (Based on available data, the classification criteria are not met):

- Respiratory or skin sensitisation
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single exposure)
- Specific target organ toxicity (repeated exposure)

Aspiration Hazard: Not classified.

12. ECOLOGICAL INFORMATION

Toxicity (Ecology General): The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Persistence and Degradability: Not applicable.

13. DISPOSAL CONSIDERATIONS

Regional Legislation (Waste): Disposal must be done according to official regulations. Product is used as a fertiliser. Check the possibility for agricultural use before landfilling.

Waste Disposal recommendations: Entrust the uncontaminated packaging to a licensed waste contractor. Comply with local regulations for disposal. Do not re-use empty containers without proper cleaning or reconditioning.

14. TRANSPORT INFORMATION

UN Number: Not applicable.

UN Proper Shipping Name: Not applicable.

Transport Hazard Class(es): Not applicable.

Packing Group: Not applicable.

Environmental Hazards: Not applicable.

15. REGULATORY INFORMATION

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BioAgSOP Safety Data Sheet

v.0217.1

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16. OTHER INFORMATION

Reason(s) for Issue: New base product supplier, blended product lines.

This SDS summarises to our best knowledge at the date of issue, the chemical, health and safety hazards of the product and general guidance on how to safely handle the material in the workplace.

Since BioAg Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from their use of the material.

If clarification or further information is needed, the user should contact BioAg Pty Ltd via the contact details listed on Page 1.

BioAg Pty Ltd's responsibility for the material is subject to the terms and conditions of sale, a copy of which is available on request.