

SAFETY DATA SHEET

PRODUCT NAME: SULPHATE OF POTASH (HORT GRADE)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Recommended use: Fertiliser
Other Names: Potassium Sulphate
Supplier: Baileys Fertilisers
Address: 24 Beach St
 Kwinana Beach
 Western Australia 6167
Telephone: (08) 9439 1688 (Monday to Friday: 8.00am – 5.00pm)
Emergency Contact: Poisons Information Centre on 13 11 26
Facsimile: (08) 9439 1068
Email: baileys@baileysfertiliser.com.au
Website: baileysfertiliser.com.au

2. HAZARD IDENTIFICATION

1. **GHS Classification:** Not hazardous according to Australian Criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).
2. **Signal Word:** Not applicable.
3. **Hazard Category(s):** Not applicable.
4. **Hazard Symbol:** Not applicable.
5. **Hazard Statement(s):** Not applicable.
6. **Precautionary Statements:** Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Potassium Sulphate	7778-80-5	> 95
Non-hazardous ingredients	N/A	Remainder

4. FIRST AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

Skin Contact: Wash with soap and water. Seek medical attention in event of irritation.

Inhalation: Remove from exposure and if irritation persists, seek medical attention.

Ingestion: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Give medical attention if adverse health effects persist or are severe. Poison Information Centre (13 11 26) can provide additional assistance.

First Aid Treatment and note to physician: Treat symptomatically. Skin abrasions and sores may be aggravated by exposure. Inhalation of dust may aggravate asthma.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable.

Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

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Hazardous Products of Combustion: May evolve toxic gases (carbon dioxide, carbon monoxide, nitrogen oxides, sulphur oxides, metal oxides) when heated to decomposition.

Special Fire Fighting Instructions: Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment, including Self Contained Breathing Apparatus (SCBA) when combating fire.

Hazchem Code: None allocated.

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. See sections 8 and 13 for exposure controls and disposal.

Clean Up Procedures: Contain spillage, then collect and place in suitable containers for disposal. Avoid generating dust.

Environmental precautions: Prevent product from entering drains and waterways.

7. HANDLING AND STORAGE

Precautions for safe handling: Before use, carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for safe storage: Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

Specific end use(s): No information provided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure standards: No exposure standards have been entered for this product.

Biological limits: No biological limit values have been entered for this product.

Exposure controls

Engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PPE:	Eye / Face	Wear protective glasses or goggles.
	Hands	Wear gloves.
	Body	Wear coveralls to prevent skin contact.
	Respiratory	At high dust levels, wear a Class 2 respirator.

Work Hygienic Practices: Do not eat, drink or smoke when using this product. Do not ingest. Avoid contact with eyes and prolonged or repeated contact with skin. Wash thoroughly after handling. Remove contaminated clothing and shoes immediately and rinse with plenty of water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to beige crystalline solid.
Odour	Odourless
Flash Point	Not relevant.
Boiling Point	1689°C at 100 kPa.

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Melting Point	1067°C
pH	4.5 – 9 (5% solution)
Specific Gravity	2.5 – 2.7
Solubility (water)	Soluble

10. STABILITY AND REACTIVITY

General Information:	Carefully review all information provided in the below sections.
Chemical stability:	Stable under recommended conditions of storage.
Possibility of hazardous reactions:	Polymerisation will not occur.
Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid contamination by any source, including metals, dust and organic materials.
Materials to Avoid:	Incompatible with metals and strong reducing agents.
Hazardous decomposition products:	May evolve toxic gases (carbon dioxide, carbon monoxide, nitrogen oxides, sulphur oxides, metal oxides) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this SDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute toxicity:	Present low toxicity, unless large amounts are ingested. Sulphate of Potash is slowly absorbed from the alimentary tract and because of osmotic activity it will draw water into the lumen of the bowel. Consequently doses exceeding 100g of Sulphate of Potash give rise to severe gastrointestinal irritation, with symptoms such as nausea, vomiting, diarrhoea, irregular heartbeats (arrhythmia), dehydration and hypertension. Smaller doses will likely irritate the mouth, oesophagus, stomach.
Skin:	Not classified as a skin irritant. Contact may result in mild irritation and rash.
Eye:	Not classified as an eye irritant. Contact may cause mild irritation and lacrimation.
Sensitisation:	This product is not known to be a skin or respiratory sensitiser.
Mutagenicity:	No evidence of mutagenic effects.
Carcinogenicity:	No evidence of carcinogenic effects.
Reproductive:	No evidence of reproductive effects.
STOT – single exposure:	Not classified as causing organ effects from acute exposure.
STOT – repeated exposure:	Not classified as causing organ effects from repeated exposure.
Aspiration:	Not relevant.
Toxicity Data:	LDLo (Subcutaneous): 3000 mg/kg (guinea pig) LD50 (Ingestion): 6600 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not anticipated to cause any adverse effects to plants or animals.
Persistence and degradability:	No information provided.
Bioaccumulative potential:	No information provided.

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Mobility in soil: No information available.

Environmental fate: Prevent entry into drains and waterways.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal: Collect and place in sealable containers and dispose of to an approved landfill site. Contact the manufacturer / supplier for additional information (if required).

Special Precautions for Land Fill: Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG or IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (IATA / ICAO)
UN Number		None allocated.	
Proper Shipping Name		None allocated.	
Transport Hazard Class		None allocated.	
Packing Group		None allocated.	
Hazchem Code		None allocated.	

15. REGULATORY INFORMATION

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substance [NOHSC: 1008(2004)].

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Disclaimer This document has been prepared by Baileys Fertilisers and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

While Baileys Fertilisers has taken all due care to include accurate and up to date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Baileys Fertilisers accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

As the use of the products described in this document is outside the control of Baileys Fertilisers, we make no representation or warranty concerning the suitability or fitness of this product for any purpose. It is your sole responsibility to ensure that the product will

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have the qualities and attributes that will make them fit for any ordinary or special purpose required of them, even if that purpose is made known to us at any time. This includes responsibility on your part to conduct in a timely manner all appropriate tests and quality checks on the product and any goods made from them. We disclaim any liability if any products are not suitable or fit for any such purpose.

Issue 1
Date 10/03/2020
End of SDS