



SAFETY DATA SHEET

SULPHATE OF POTASH

Identification of the Material & Supplier

Product Name: Sulphate of Potash
Other Names: Potassium Sulphate (K₂S₀₄), SOP
Recommended Use: Fertiliser
Supplier: Summit Fertilizers
29 Ocean St
Kwinana Beach WA 6167
Telephone: 9439 8999

Hazards Identification

Hazards Classification: Is not classified as hazardous according to NOHSC criteria
Risk Phrase: Is not classified as a Dangerous Good according to the ADG Code

Composition/Information on Ingredients

Chemical Identity: Potassium Sulphate (K₂S₀₄)
Proportion of Ingredients: No data available
95-99%
CAS Number: 7778-80-5

First Aid Measures

Eye Contact: Immediately flush with fresh water for at least 15 minutes. Hold eyes open while flushing with water. Seek medical attention if irritation persists.
Skin Contact: Immediately remove contaminated clothing and shoes. Flush skin with fresh water for at least 15 minutes. Use soap if available or follow by flushing with soap and water. Do not reuse contaminated clothing without laundering. Seek medical attention if irritation persists.
Inhalation: Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration. Seek medical attention immediately.
Ingestion: If victim is feeling unwell, contact a poison centre or seek medical attention immediately.

Fire Fighting Measures

Flammability: Product is a non-flammable solid.
Suitable Extinguishing Media: Water spray, dry powder or foam
Hazards from Combustion Products: May release Sulphur Dioxide or Sulphur Trioxide.
Hazchem Code: None allocated.

Accidental Release Measures

Emergency Procedures: Isolate the area and deny entry to nonessential personnel. Emergency responders and/or clean up personnel should wear appropriate protective clothing and equipment.
Methods and Materials for Containment & Cleanup: Do not allow run-off from fire fighting to enter drains or waterways. Dispose of materials or solid residues at an authorised site.



Handling & Storage

Precautions for Safe Handling	Ensure good ventilation of the work station. Wear personal protective equipment.
Conditions for Safe Storage	Store in a cool, dry & well ventilated place.
Storage Incompatibilities	

Exposure Controls/Personal Protection

National Exposure Controls	
Engineering Controls	Ensure good ventilation of the work station
Personal Protective Equipment	Chemical resistant PVC gloves (Nitrile Rubber), long sleeve shirt and long trousers to prevent skin contact. In dusty areas use a Type P1 respirator and wear chemical safety glasses to prevent eye contact.

Physical & Chemical Properties

Appearance	Granules/Crystalline powder – variations in colour from white to light brown.
Odour	None
pH of 10% Solution	7 – 9 (50 g/L, 20 °C)
Vapour Pressure	
Boiling Point	
Melting Point	1069 °C
Solubility	11.1g K ₂ S ₀ 4/100ml water 20 °C
Specific Gravity	2.662 g/cm ³
Bulk Density	1150 – 1300 kg/m ³

Stability & Reactivity

Stability	Stable under normal conditions. Non-flammable solid.
Reactivity	Product is stable
Incompatible Materials	
Decomposition Products	Under normal conditions of storage and use, hazardous decomposition product should not be produced. May release Sulphur Dioxide and Sulphur Trioxide when heated in a fire.

Toxicological Information

Health Effects	
Toxicity Data	Potassium Sulphate: LD50 (ingestion): > 6600 mg/kg (rat) Potassium Sulphate: LD50 (dermal): > 6600 mg/kg (rat)

Disposal Considerations

Disposal Methods & Containers	Dispose of on a farm, or authorized waste facility in accordance with statutory requirements. May be broadcast on farm as fertilizer using proper agriculture and soil management.
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Transport Information

UN Number	None allocated
UN Proper Shipping Name	Potassium Sulphate
Class & Subsidiary Risk	None allocated
Packing Group	None allocated
Hazchem Code	None allocated



Regulatory Information

Australian Regulatory Information

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

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

Other Information

Key/Legend

NOHSC	National Occupational Health and Safety Commission
USEPA	United States Environmental Protection Authority
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
ACGIH	American Conference of Government Industrial Hygienists
OECD	Organisation for Economic Cooperation and Development
ES-TWA	Exposure Standard – Time weighted average
ES-STEL	Exposure Standard – Short term exposure level
ES-Peak	Exposure Standard – Peak level
LDLo	The lowest dose in an animal study in which lethality occurred.
LD50	Lethal dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure other than inhalation
t/m ³	Tonnes per cubic metre
mg/m ³	Milligrams per cubic metre
mg/kg	Milligrams per kilogram
pH	Hydrogen ion concentration on a scale of 0-14

Disclaimer

The information contained in this SDS is offered in good faith as accurate but does not purport to be all-inclusive. Health and safety precautions in this SDS may not be adequate for all individuals and/or situations. It is the user's responsibility to determine the suitability of any material for a specific purpose, adopt such precautions as may be necessary and comply with all applicable laws and regulations.

Summit Fertilizers reserves the right to make changes to SDS data without notice.