

Natural Potassium Sulphate

1. Identification of the substance/mixture and supplier

Product Name: Potassium Sulphate

Others Name: Sulphate of Potash, Sulphuric Acid, Dipotassium Salt; Dipotassium Sulphate, Potassium Sulphate Natural Grade

Recommended Uses: Reagent in analytical chemistry, medicine (cathartic), gypsum cements, fertiliser or chloride sensitive crops such as citrus or tobacco, alum manufacture, food additive.

Supplier Fert Trade a Division of Fertco 2016 Ltd
Street address 20A Jean Batten Drive
 Mount Maunganui New Zealand

Telephone Number 0800 337 826
Emergency Telephone 0800 CHEMCALL (24 hours)
 0800 243 622

2. Hazards Identification

Dangerous Goods Not classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land

Hazardous Substances Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

HSNO Classifications 6.3B (mildly irritating to skin)

Hazard Statements Causes mild skin irritation.

Precautionary Statements Read label before use.

3. Composition/Information on Ingredients

Contents	CAS Number	Proportion
Dipotassium Sulphate	7778-80-5	>95%

4. First Aid Measures

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor
 Have product container or label at hand.

Swallowed Do NOT induce vomiting. Rinse mouth with water. Give



Natural Potassium Sulphate

water to drink to achieve dilution. Call a POISON CENTRE or doctor/physician if you feel unwell.

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists get medical advice/attention.
Skin Contact	Remove/take off immediately all contaminated clothing and wash before reuse. Rinse skin with water. If skin irritation occurs get medical attention.
Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
Advice to Doctor	Treat symptomatically. Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766

5. Fire-fighting Measures

Specific Hazard	Non-Combustible material. In the event of a fire hazardous decomposition products include oxides of sulphur and oxides of potassium (irritating and toxic fumes). Not considered to be an explosion hazard. Hazardous polymerization will not occur.
Suitable Extinguishing Media:	This product is non-combustible, if material is involved in fire Use extinguishing media appropriate to surrounding fire conditions. Water may be used to cool fire-exposed unopened containers.
Fire-fighting advice	On burning will emit toxic fumes. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk to exposure to products of decomposition.

6. Accidental Release Measures

Wear protective equipment to prevent skin and eye contact. Avoid breathing in dust. Work up wind or increase ventilation. Avoid dust generation. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water. Do not wash untreated material down the drain or sewer.

Natural Potassium Sulphate

7. Handling and Storage

Handling advice	Before use carefully read product label. Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust generation. Wear protective clothing impervious gloves and safety glasses when handling. Wash hands and exposed skin thoroughly after handling.
Storage advice	Store in a cool, dry, well ventilated place. Keep dry. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect from physical damage. Store away from incompatibles such as strong oxidising agents.

8. Exposure Controls/Personal Protection

Workplace Exposure Guidelines

No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for particulates:

Particulates not otherwise classified: WES-TWA 10mg/m³ Inspirable dust
3mg/m³ Respirable dust.

As published by the New Zealand Occupational Safety and Health Service (OSH).

WES-TWA (Workplace Exposure Standard – Time Weighted Average) – The eight hour, time weighted average exposure standard is designed to protect the worker from the effects of long-term exposure. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable.

These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls

Natural ventilation should be adequate under normal use conditions. Ensure ventilation is adequate to maintain air concentrations below exposure limits. Use exhaust ventilation or wear a dust mask during use. A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Avoid generating and breathing in dusts. Keep containers closed when not in use.

Personal Protective Equipment

Wear overalls, chemical goggles and PVC or rubber gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask / respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Natural Potassium Sulphate

9. Physical and Chemical properties

Appearance	Colourless or white crystals/powder. Bitter taste.
Odour	Odourless
Solubility	Soluble in water to 110g/L @ 20°C
Specific Gravity	2.332
Flash Point (°C)	Not applicable
pH	approx. 7 (as an aqueous solution)
Melting Point	1067°C
Vapour Pressure	Not applicable

10. Stability and Reactivity

Stability	Product is stable under normal conditions of use and storage.
Reactivity	Incompatible with strong oxidising agents, aluminium, calcium, magnesium and sodium.

11. Toxicological information

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

Swallowed	May result in nausea, vomiting and abdominal pain.
Eye Contact	Eye contact with dust or powder may cause eye irritation.
Skin Contact	Contact with skin may result in irritation.
Inhaled	Breathing in dust may result in respiratory irritation.
Long Term Effects	No information available on the product.
Toxicological Data	Acute Oral toxicity: LD ₅₀ 6600 mg/kg (rat)

12. Ecotoxicological information

Avoid contaminating waterways

Aquatic toxicity	No data available
-------------------------	-------------------

Natural Sulphate of Potash

13. Disposal

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Normally product is suitable for disposal at an approved landfill site. Processing, use or contamination of this product may change the waste management options. Care should be taken to ensure compliance with national and local regulations. This product is NOT for disposal via municipal sewers, drains, natural streams or rivers.

Special Precautions: Emptied containers retain product residue and may therefore present hazards. Empty bags should be taken for disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned or destroyed. Decontaminate empty containers with plenty of water. Dispose of washed containers in accordance with local authority requirements (normally at an approved landfill site).

14. Transport information

Road and Rail Transport

Not Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory Information

ERMA (NZ) Approval code HSR002794

HSNO Classifications 6.3B (mildly irritating to skin)

16. Other information

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES.

The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.