

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Sulphur Prills
Recommended Use: Fertiliser, Fertiliser blend ingredient
New Zealand Supplier: **Fertspec Ltd t/a Biofert**
Address: 121 Whangarata Road,
 Tuakau
 Waikato

Telephone: +64 9 233 6491 0800PACBIO (0800722246)
Emergency No: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 1 Oct 2025

Section 2. Hazards Identification

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods

Priority Identifier	WARNING KEEP OUT OF REACH OF CHILDREN
Classes	6.3B = Causes mild skin irritation 6.4A = Causes eye irritation
SYMBOLS	
Other Classifications	Skin Corrosion/Irritation Category 3, Eye Irritation Category 2A
Precautionary Statements	Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling.

Section 3. Composition / Information on Hazardous Ingredients

Component	CAS/Identification	CONTENT
Sulphur Granules, pellets, prills, flakes, pastilles	7704-34-9	90%
Bentonite	1302-78-9	10%

Section 4. First Aid Measures

General Information:

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed by this product. The number is 0800 764 766 (0800 POISON) (24 hr. emergency service).

Recommended first aid facilities Ready access to running water is recommended

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination, a sensible precaution is to seek medical advice

Advice to Doctor: Treat symptomatically and show this SDS to medical practitioner.

Section 5. Fire Fighting Measures

Specific Hazards	Combustible solid. Avoid all ignition sources. May form flammable dust clouds in air. Dust clouds are readily ignited in air by weak frictional sparks. Moving product may generate static charge. product burns with a pale blue flame that may be difficult to see in daylight.
Firefighting Advice	Can melt and flow in a fire situation. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.
Suitable Extinguishing Media	Water jets, water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Section 6. Accidental Release Measures

Spill and Leak Procedures: Avoid setting fire to spill material. Have firefighting media at hand. Avoid creating dust and sparks with tools. Wear eye and face protection, as small brief fires may flare up if a spark is struck.

Small Spill: May be cleaned up with shovel and broom.

Large Spill: May be cleaned with front end loaders etc., however, avoid dragging blade on concrete, rocks as this will ignite sparks and potential dust flare-ups. Post fire watch until all danger of fire is passed. Personnel should wash thoroughly all exposed skin and hair to prevent irritation from dust.

Waste Disposal: Burial, landfill. Local farmers may want to use the material as a plant nutrient or soil amendment provided the only contamination is dirt, provided they have received competent advice from a soil chemist recommending the application of sulphur and appropriate application rates.

Environmental And Regulatory Reporting: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Follow local / state / national regulations.

Note: Local regulations may prescribe or limit action to be taken.

Section 7. Handling and Storage

Handling Advice: Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.

Storage Advice: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

Storage Incompatibility: Avoid reaction with oxidising agents

Section 8. Exposure Controls / Personal Protection

Exposure Limits: Workplace exposure standard (WES): Particulates not otherwise classified. Total Exposure Limit (TEL) no assigned.

Engineering Controls: Handle in well-ventilated area. Minimise generation of airborne dust.

Personal Protective Equipment

Eyes: Eye protection is recommended around dust for personal protection.

Skin / Body: Work gloves and long-sleeved shirts etc. help keep material off of skin of sensitive persons prone to skin irritation or dermatitis. Use of a good skin moisturizer before and after work helps to avert dry skin problems and discomfort. Be sure to select a skin care product which you are not allergic to. Remember also: firefighting tools/media should be readily available (water, dirt, shovels).

Respiratory Ventilation: Respiratory protection recommended - dust masks suitable for use with irritating dust. Ventilation The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Indoor use areas should have sufficient local exhaust to remove dust as it is released into the air. Use explosion-proof ventilation equipment.

Hygienic Work Practices: Always observe good personal hygiene measures, such as washing exposed skin and hair thoroughly after use. Launder clothing. If eye irritation occurs, flush eyes with cool clean water. If eye or skin irritation persists, consult a physician. Practice good housekeeping.

Environmental Controls: See sections 6,7,12,13.

Section 9. Physical and Chemical Properties

Appearance	Brown / Gray / Yellow coloured solid pellet or pastille shape
Odour	Slight sulphur dour
pH	Neutral when dry
Vapour Density (Air = 1)	>1
Viscosity	N/A (solid)
Melting Point (°C)	119
Boiling Point (°C)	445
Volatile Materials	N/A
Solubility	Insoluble in water
Molecular Weight	N/A
Specific Gravity (water = 1)	2.07 - 2.1gm/ml
Flash Point	N/A
Danger of Explosion	N/A
Auto-ignition Temperature (°C)	232
Upper & lower flammable limits	N/A

Section 10. Stability and Reactivity

Chemical Stability	Product is considered stable. Hazardous polymerisation will not occur. Incompatible with oxidising agents. Corrosive to damp steel. Unstable in the presence of incompatible materials.
Hazardous Reactions	Reacts violently with finely divided metals, alkali metals and mineral acids.

Section 11. Toxicological Information

Summary

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

Supporting Data

Hazard Classifications:	6.3B, 6.4A
Ingestion	Swallowing can result in nausea, vomiting and abdominal pain.
Inhalation	Breathing in dust may result in respiratory irritation.
Skin	Contact with skin may result in irritation.
Eye	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Other Information	No adverse health effects expected under normal conditions.
Toxicity Data	No information available for the product.

Section 12. Ecological Data

Summary	This product is stable in the environment. Its transport in the environment depends upon the exact compound, the pH, the soil type, and the salinity. All work practices should be aimed at eliminating environmental contamination.
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Section 13. Disposal Considerations

Considerations	Do not contaminate lakes, streams, ponds, estuaries, oceans, or other waters by discharge of waste effluents or equipment rinsate. Dispose of waste effluents according to federal, state, and local regulations. For landfill disposal, mix with limestone 3 times the weight of sulphur.
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Section 14. Transport Information

Land Transport: There are no specific transport requirements necessary.

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. (Exempted under Special Provision A105).

Section 15. Regulatory Information

Based on available information, not classified as hazardous according to criteria of NOHSC. See www.epa.govt.nz for approval controls.

Section 16. Other Information

Other

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed.

Disclaimer

This SDS was prepared by Fertspec Ltd t/a Biofert and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological).