



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name:	Tui Sulphate of Potash Fast Acting.
Recommended Use:	Potassium fertiliser for use in home gardens.
Company Name and Address:	Evergreen Garden Care New Zealand Limited. Truman Lane, Mount Maunganui, New Zealand
Telephone Number:	+64 7 5752160
Emergency Telephone Numbers:	0800 CHEMCALL (0800 243 622) 24 hours 0800 POISON (0800 764 766) National Poisons Centre 111 – New Zealand Fire Service
Date of Preparation:	April 2025

2. HAZARDS IDENTIFICATION:

EPA Hazard Classifications:	Based on available information, this material is not classified as hazardous according to the criteria of EPA New Zealand GHS 7.
Dangerous Goods Classifications:	Not classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMPONENT	PROPORTION	CAS NUMBER
Potassium Sulphate	<=100%	7778-80-5

4. FIRST AID MEASURES:

For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor/physician.

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is shallow or has stopped ensure airway is clear. If respiratory symptoms persist get medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed, rinse mouth with water, then drink a glass of water. Do not induce vomiting. Seek medical advice/attention and call a POISON CENTRE or doctor/physician if you feel unwell.
Eye Contact:	If in eyes, hold eyelids apart and immediately flush with cold water occasionally lifting the upper and lower lids. Continue for at least 15 minutes removing contact lenses if present and easy to do so. If eye irritation persists, get medical advice/attention.
Skin Contact:	If on skin, wash the skin well with plenty of water and soap whilst removing contaminated clothing. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before re-use.
Notes to Physician:	Treat symptomatically.



5. FIRE FIGHTING MEASURES:

General Measures:	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal.
Flammability Conditions:	Non-combustible material.
Suitable Extinguishing Media:	Use extinguishing media appropriate to surrounding conditions.
Precautions for fire fighters and special protective clothing:	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.
Hazards from combustion products:	Decomposes on heating emitting toxic fumes. Fire or heat may produce irritating, corrosive and/or toxic gases, including oxides of sulphur and oxides or potassium.
Special Fire Fighting Instructions:	Contain runoff from fire control or dilution water – Runoff may cause pollution.

6. ACCIDENTAL RELEASE MEASURES:

General Response:	Ensure adequate ventilation. Do not touch or walk through spilled material - Slippery when spilt. Avoid accidents, clean up immediately! Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
Clean Up Procedures:	Take up dry. Collect and seal in properly labelled containers for disposal (see SECTION 13).
Containment:	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas.
Environmental Precautionary Measures:	Prevent entry into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.
Evacuation Criteria:	Spill or leak area should be isolated immediately. Evacuate the danger area! Keep unauthorised personnel away.
Personal Precautionary Measures:	Use personal protective equipment as required (see SECTION 8). See section 7 for handling and precautionary measures.

7. HANDLING & STORAGE:

Precautions for safe handling and storage:	
Handling:	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).
Storage:	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use – check regularly for spills. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).
Container:	Keep in the original container.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational Exposure Limits:	No WES values are set by Worksafe New Zealand for this substance at this time. However, WES TWA for respirable dust: 3 ppm mg/m ³ WES TWA for inspirable dust: 10 ppm mg/m ³
Engineering Controls:	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.
Personal Protective Equipment:	- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses. - Hand protection: Handle with gloves. Recommended: Impervious gloves, e.g. Nitrile rubber. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.
Work Hygienic Practices:	Do not eat, drink or smoke when using this product. Wash hands after working with substance and before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Solid white to off white crystalline powder, granules, pearls.
Odour:	Odourless.
pH:	~7 (Aqueous solution).
Vapour Pressure:	No data available.
Melting Point (°C):	1067°C.
Boiling Point (°C):	1689°C.
Freezing Point (°C):	No data available.
Solubility in water:	120 g/L in water at 25°C.
Specific Gravity (g/cm³):	2.66 g/cm.
Molecular weight:	174.26
Flash point (°C):	No data available.

10. STABILITY and REACTIVITY:

Chemical Stability:	The product is chemically stable under standard ambient conditions.
Conditions to avoid:	Avoid creating dust when handling.
Materials to avoid:	Incompatible/reactive with strong oxidising agents, aluminium, calcium, magnesium, sodium.
Hazardous decomposition products:	Fire or heat may produce irritating, corrosive and/or toxic gases, including oxides of Sulphur, oxides of Potassium.
Hazardous Polymerisation:	Hazardous polymerisation will not occur.



11. TOXICOLOGICAL INFORMATION:

Potential Health Effects: This section includes possible adverse effects, which could occur if the product is not handled in the recommended manner.

Eye Contact:	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Skin Contact:	Contact with skin will result in mild irritation. Acute toxicity (Dermal): - LD50, Rat (male & female): >2,000 mg/kg [OECD Test Guideline 402].
Ingestion:	No adverse effects expected; however, large amounts may cause gastrointestinal discomfort, nausea and vomiting. Acute toxicity (Oral): - LD50, Rat (male & female): >2,000 mg/kg [analogy; OECD Test Guideline 425].
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways).
Chronic Effects:	No information available.

12. ECOLOGICAL INFORMATION:

Ecotoxicity:	Aquatic toxicity: - LC50, Fish (Fathead minnow): 680 mg/L (96 h) [US-EPA; ECHA]. - EC50, Crustacea (Daphnia magna): 720 mg/L (48 h) [US-EPA; ECHA].
Persistence and degradability:	The methods for determining biodegradability are not applicable to inorganic Persistence/Degradability substances.
Environmental Fate:	Prevent entry into drains and waterways.
Bioaccumulation Potential:	No information available.
Mobility:	No information available.
Environmental Impact:	No data available.

13. DISPOSAL CONSIDERATIONS:

Disposal methods:	Dispose of this product by using in accordance with the product label directions or into landfill. Do not dispose of this product into drains, sewers or waterways. Packaging disposal – empty packaging by using the product in accordance with the product label directions. Crush empty packaging and dispose of safely with domestic rubbish. If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local area regulatory authorities following all applicable regional, national and local laws and regulations.
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14. TRANSPORT INFORMATION:

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

15. REGULATORY INFORMATION:

EPA Hazard Classifications:	Based on available information, this material is not classified as hazardous according to the criteria of EPA New Zealand GHS 7.
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16. OTHER INFORMATION:

Date of preparation of SDS: April 2025.
SDS Version: Version 4.

Abbreviations in SDS:
EPA: The Environmental Protection Authority of New Zealand.
pH: A measurement of how acidic or alkaline a material is using a scale of 1 -14.
pH 1 is strongly acidic, pH 14 is strongly alkaline.
TEL: Tolerable exposure limit set by EPA.
WES: Workplace exposure standard set by Worksafe.

References: (1) Workplace Exposure Standards and Biological Exposure Indices, 15th Edition. February 2025. Worksafe, New Zealand Government.

The information contained in this Safety Data Sheet has been generated from our best knowledge of the health and safety hazard information for Tui Sulphate of Potash Fast Acting at the time of review. Contact Evergreen Garden Care New Zealand Limited for any further information on handling this product.

DISCLAIMER:

This product must be used strictly as directed. To the maximum extent permitted by law Evergreen Garden Care New Zealand Limited, its officers, employees, agents, distributors and retailers shall have no liability to any purchaser or user of this product, or any other person, for any loss, damage or injury (including personal injury) arising out of the use or storage of this product otherwise than in accordance with the directions for use and storage.

----- End of Safety Data Sheet -----