



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name:	Tui Sulphate of Potash
Recommended Use:	Potassium Fertiliser.
Company:	Tui Products Ltd
Address:	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 SDS Preparation:	February 2014

2. HAZARDS IDENTIFICATION:

Dangerous Goods:	Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.
Hazardous Substance (HSNO):	Classified as hazardous according to criteria in the HS (Minimum Degree of Hazard) Regulations 2001.
HSNO Hazard Classifications:	6.3B.
Signal Word:	Warning.
Hazard Statements:	Causes mild skin irritation.
Prevention Statements:	Read label before use. Read Safety Data Sheet before use.
Response Statements:	If skin irritation occurs: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMPONENT	CONCENTRATION	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 patient to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell or effects persist.
Ingestion:	If swallowed, Do NOT induce vomiting. Rinse mouth. Seek medical advice.
Eye Contact:	If in eyes, hold eyelids apart and immediately flush with cold flowing water. Continue for at least 15 minutes or until advised to stop by a poison information centre or a doctor. Seek medical advice.
Skin Contact:	If on skin, wash with plenty of soap and water while removing contaminated clothing. If irritation occurs, seek medical advice. Wash contaminated clothing before re-use.
Notes to Physician:	Treat symptomatically.



5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media:	Not combustible material, however if material is involved in a fire use: media applicable to surrounding fire.
Precautions for fire fighters and special protective clothing:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing.
Hazards from combustion products:	Toxic fumes under fire conditions, sulphur oxides and potassium oxides.

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:	Isolate area. Keep unnecessary and unprotected personal from entering the area. Spills should be cleaned up immediately. If contamination of sewers or waterways has occurred advise local emergency services.
Personal Precautions, Protective Equipment and Emergency Procedures:	Use appropriate protective equipment. Refer to SDS section 7 for handling and precautionary measures. Refer to SDS section 8 for additional information and personal protection equipment to prevent contamination of skin, eyes and personal clothing.
Environmental Precautions:	Contain - prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
Methods and Materials for Containment and Clean up:	Avoid generating dust, collect spilled product and place in properly labelled sealable container for disposal.

7. HANDLING & STORAGE:

Precautions for safe handling and storage:

Handling:	Keep out of reach of children. Avoid skin and eye contact and breathing in dust. Clean up spilled material and wash clothing, equipment and work area after use.
Storage:	Store in a tightly closed original container in a cool, dry, well-ventilated area out of direct sunlight. Store away from children, animals, food, feedstuffs, drink containers, fertilisers and seeds. Keep containers closed when not in use and check regularly for spills.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational Exposure Limits:	No ADE, PDE or TEL values are set by EPA for this substance at this time. No WES values are set by EPA for this substance at this time.
Engineering Controls:	However, Workplace Exposure Standard(s) for constituent(s): Particulates not otherwise classified: 8hr WES-TWA = 10mg/m ³ (inhalable dust) or 3mg/m ³ (respirable dust)
Personal Protective Equipment:	Handle in well-ventilated area. Avoid inhalation of dust. If dust generated use local extraction to control. Keep containers closed when not in use. Avoid contact with eyes, skin and breathing in dust. Wash hands before breaks and after work. Always wash hands before eating, drinking or smoking or using the toilet. Respiratory Protection: Use with adequate ventilation and avoid breathing dust. If dust is present wear a dust mask. Skin protection: Wearing rubber gloves and coveralls is recommended. Wash hands and exposed skin thoroughly after use. Wash protective clothing thoroughly before storage or reuse. Eye protection: Avoid eye contact and wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	White or cream powder/granules
pH:	(50g.L ⁻¹ in water, 20°C) 5.5 – 7.5
Odour:	None
Vapour Pressure (20°C):	Not available.
Relative Vapour Density (air=1):	Not available.
Boiling Point (°C):	1069°C
Boiling Point (°C):	1689°C
Bulk Density:	1340 g/cm ³
Solubility in water:	Soluble
Specific Gravity (g/ml @ 20°C):	2.66 g/cm ³
Flash point (°C):	Not applicable.
Upper Flammability Limit:	Not applicable.
Lower Flammability Limit:	Not applicable.
Auto Ignition Temperature (°C):	Not applicable.



10. STABILITY and REACTIVITY:

Chemical Stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid exposure to moisture. Avoid dust generation.
Incompatible materials:	Incompatible with oxidising agents.
Hazardous decomposition products:	Sulphur oxides and potassium oxides.
Hazardous Reactions:	None known.

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 cause physical irritation to the eyes. Exposure to the dust may cause discomfort due to the particulate nature of the product.
Skin Contact:	Repeated or prolonged skin contact may lead to irritation.
Ingestion:	Swallowing may result in irritation of the gastrointestinal tract. Ingestion of large quantities may lead to vomiting, diarrhoea, potassium toxicity. Oral LD ₅₀ for rats 6600 mg/kg.
Inhalation:	Breathing in dust may result in respiratory irritation.
Long term effects:	No information available for the product.

12. ECOLOGICAL INFORMATION:

Ecotoxicity:	Avoid contamination of waterways.
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13. DISPOSAL CONSIDERATIONS:

Disposal methods:	Dispose of this product by using in accordance with the product label directions. Do not dispose of this product or equipment cleaning water down drains or sewers. Container disposal – Clean out empty packaging, puncture and dispose of at an approved landfill. Do not use the container for any other purpose. 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. Some local authorities offer hazardous waste collection, contact your local council for details.
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14. TRANSPORT INFORMATION:

Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Not classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Not classified as a Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION:

EPA New Zealand Approval Code: HSR002794.

Approved Handler: Tui Sulphate of Potash does not have any approved handler, tracking or record keeping requirements.

Exposure limits: No WES values are set by EPA for this substance at this time.

16. OTHER INFORMATION:

Date of preparation of SDS: February 2014.

Abbreviations in SDS:

- ADE:** Acceptable daily exposure values set by EPA.
- EPA:** The Environmental Protection Authority of New Zealand.
- PDE:** Potential daily exposure values set by EPA.
- 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:** Work place exposure standard set by EPA or NZ Dept. of Labour Health & Safety.

DISCLAIMER:

This product must be used strictly as directed. To the maximum extent permitted by law Tui Products 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 SDS -----