

**SULPHATE OF POTASH****Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER**

<b>Product Name:</b>	<b>Sulphate of Potash Granular</b>
<b>Other Names:</b>	Potassium Sulphate, Dipotassium Salt, Dipotassium Sulphate
<b>Product Code:</b>	25000000
<b>Chemical Formula:</b>	K <sub>2</sub> SO <sub>4</sub>
<b>Recommended Use:</b>	Fertiliser
<b>Restrictions of Use:</b>	Refer to Section 15
<b>Company Identification:</b>	Ravensdown Limited
<b>Address:</b>	292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011
<b>Customer Centre:</b>	0800 100 123
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Phone Number:</b>	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
<b>Transport Emergency Phone Number:</b>	111 - tell operator what service is needed: Fire, Ambulance or Police
<b>Date of SDS Preparation</b>	17 March 2025 v2

**Section 2: HAZARD IDENTIFICATION**

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**Section 3: COMPOSITION INFORMATION**

INGREDIENT	CAS No.	CONTENT
Potassium Sulphate	7778-80-5	100%

**Section 4: FIRST AID MEASURES**

<b>Routes of Exposure:</b>	
<b>If in eyes:</b>	Flush with plenty of water for several minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical advice.
<b>If on skin:</b>	Wash affected area thoroughly with soap and water. Seek medical attention if needed.
<b>If ingested:</b>	Never give anything by mouth to an unconscious person. If swallowed, rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>If inhaled:</b>	Remove patient to fresh air. Keep at rest in comfortable position for breathing. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance if needed.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms:</b>	None known.
<b>Notes to Doctor:</b>	Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

<b>Hazard Type</b>	Non-Flammable
<b>Hazards from combustion products</b>	Sulphur oxides, potassium oxides.
<b>Suitable Extinguishing media</b>	Based on surrounding materials.
<b>Precautions for firefighters and special protective clothing</b>	Breathing apparatus, goggles, and protective gloves.
<b>HAZCHEM CODE</b>	None Allocated

## Section 6: ACCIDENTIAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures:</b>
Wear appropriate protective clothing as detailed in Section 8. Exclude non-essential people from the area.
<b>Environmental precautions:</b>
Avoid unintended release of excessive amounts into waterways or sewers.
<b>Methods and material for containment and cleaning up:</b>
Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible. Dispose of according to Section 13.

## Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Read label before use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid generating dusts, do not breathe dusts. Avoid contact with the product.
<b>Storage:</b>	Keep out of reach of children. Store away from incompatible materials listed in Section 10. Store in a cool, dry area.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Inspirable dust:	-	10	-	-
Respirable dust:	-	3	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices FEB 2025 15<sup>TH</sup> EDITION.

<b>Engineering Controls:</b>	Handle in well-ventilation area. If dust generated use local extraction to control. Avoid inhalation of dust.
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### Personal Protection Equipment:



<b>Eyes:</b>	Wear safety goggles.
<b>Skin/Hands:</b>	Wear protective gloves and overalls.
<b>Respiratory:</b>	If dust is present wear a dust mask.
<b>General:</b>	Remove protective clothing and wash hands and face before meals and after work.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Granular
Colour	White to cream
Odour	Odourless
Odour Threshold	Not available
pH	5.5 – 7.5 (50g/l in water at 20 °C)
Boiling Point	Not available
Melting Point	1069 °C
Freezing Point	Not available
Flash Point	Not available
Flammability	Non-Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	2.66 g/cm <sup>3</sup>
Bulk Density	1340 kg/m <sup>3</sup>
Water Solubility	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

## Section 10: STABILITY AND REACTIVITY

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	Strong heat.
Incompatible Materials	None known.
Hazardous Decomposition Products	Decomposes on heating to form sulphur oxides.

## Section 11: TOXICOLOGICAL INFORMATION

### Acute Effects:

Swallowed	Not triggered however ingestion of large quantities may lead to vomiting, diarrhea, potassium toxicity. LD50 (oral, rat) 6600mg/kg
Dermal	Not applicable.
Inhalation	Not triggered however over exposure may cause nuisance dust.
Eye	Not triggered however direct contact may result in a mechanical irritant.
Skin	Not applicable.

### Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

## Section 12: ECOLOGICAL INFORMATION

Not hazardous to the environment.

Product:	
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<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	None known.

### Section 13: DISPOSAL INFORMATION

Disposal Method:	Observe any local authority restrictions that may apply. Collection into sealable containers and dispose of in an approved land fill. If practicable apply excess fertiliser at recommended rates to appropriate land. Reuse material where practicable.
Container Disposal:	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.
Precautions or methods to avoid:	Unacceptable disposal methods include, but are not limited to, burning, burying and dumping. Do not allow to enter waterways.

### Section 14: TRANSPORT INFORMATION

This product is **NOT** classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

### Section 15: REGULATORY INFORMATION

**This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

### Section 16: OTHER INFORMATION

#### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

#### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15<sup>th</sup> edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

#### Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact Ravensdown, if further information is required.

Issue Date: 17 March 2025

Review Date:

17 March 2030

Product Name: Ammonium Sulphate  
Date of SDS: 17 March 2025

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
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