

# Safety Data Sheet

## SOP (Potassium Sulphate)



### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	<b>Potassium Sulphate</b>
<b>Other Names:</b>	Sulfuric Acid, Dipotassium Salt, Dipotassium Sulphate, SOP
<b>Chemical Formula:</b>	K <sub>2</sub> SO <sub>4</sub>
<b>Product Code:</b>	25000000
<b>Recommended Use:</b>	Fertiliser
<b>Company Identification:</b>	Hortigro Ltd
<b>Address:</b>	164 Manukau Road Pukekohe 2120 PO Box 1302, Pukekohe 2340
<b>Customer Centre:</b>	092371777
<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

### Section 2: HAZARD IDENTIFICATION

<b>Statement of Hazardous Nature:</b>	Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
<b>Hazard Classifications:</b>	6.3B
<b>Priority Identifiers:</b>	Harmful if swallowed. Harmful if inhaled. Causes serious eye irritation. Harmful to terrestrial vertebrates.
<b>Secondary Identifiers:</b>	6.3B = Causes mild skin irritation.



**WARNING**

### Section 3: COMPOSITION INFORMATION

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

### Section 4: FIRST AID MEASURES

<b>First Aid Measures:</b>	<b>IF SKIN IRRITATION OCCURS: get medical attention/advice.</b> Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning
<b>Inhalation:</b>	Remove patient to fresh air. Keep at rest in comfortable position for breathing. Seek medical assistance if effects persist.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. If large quantities are ingested five 1 or 2 glasses of fluid to dilute, DO NOT induce vomiting. Seek medical advice.
<b>Skin:</b>	Wash affected area thoroughly with water, then soap and water. Wash hands thoroughly. Remove contaminated clothing.
<b>Eye:</b>	IMMEDIATELY flush with large amounts of water for at least 15 minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical attention.
<b>Advice to Doctor:</b>	Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	N/A (Non-flammable)
<b>Hazardous Combustion Products:</b>	Sulphur oxides, potassium oxides.
<b>Extinguishing Media:</b>	Based on surrounding materials.
<b>Protective Equipment:</b>	Breathing apparatus, goggles and protective gloves.
<b>HAZCHEM Code:</b>	None allocated.

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Protect yourself and others from injury. Wear appropriate protective clothing. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental</b>	Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.

### Section 7: HANDLING AND STORAGE

<b>Handling:</b>	<p>Avoid generating dusts, do not breathe dusts Avoid contact with substance.</p> <p><b>Approved Handler:</b> Not required.</p> <p><b>Tracking:</b> Not required</p> <p><b>Record Keeping:</b> Not required.</p>
<b>Storage:</b>	Store in a cool, dry, area.
<b>Precautionary Statements:</b>	<p>Keep out of reach of children.</p> <p>Wash hands thoroughly after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Avoid unintended release to the environment.</p>

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	<b>Workplace Exposure Standards (WES):</b> <i>Particulates not otherwise classified:</i> Inspirable dust: 10mg.m <sup>-3</sup> Respirable dust: 3mg.m <sup>-3</sup> <b>Total Exposure Limit (TEL):</b> Not assigned
<b>Protective Equipment:</b>	Overalls, safety glasses and gloves. If dust is present wear a dust mask and goggles. Eye wash facilities should be available.
<b>Engineering Controls:</b>	Handle in well-ventilation area. If dust generated use local extraction to control. Avoid inhalation of dust.
<b>Hygiene Precautions:</b>	Remove protective clothing and wash hands and face before meals and after work.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White or cream.
<b>Format:</b>	Powder
<b>Odour:</b>	Odourless
<b>Bulk Density:</b>	1340 kg/m <sup>3</sup>
<b>Specific Gravity:</b>	2.66g/cm <sup>3</sup>
<b>pH:</b>	(50g.L <sup>-1</sup> in water, 20°C) 5.5-7.5
<b>Solubility in Water:</b>	Soluble
<b>Boiling Point:</b>	1689°C
<b>Melting Point:</b>	1069°C
<b>Vapour Pressure:</b>	Not available
<b>Vapour Density:</b>	Not available
<b>Auto-ignition Temperature:</b>	N/A

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerisation:</b>	Will not occur.
<b>Hazardous Decomposition Products:</b>	Sulphur oxides.
<b>Conditions to Avoid:</b>	Strong heat
<b>Materials to Avoid:</b>	No specific incompatibilities.
<b>Hygroscopic:</b>	No

## Section 11: TOXICOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	6.3B
<b>Ingestion:</b>	Ingestion of large quantities. May lead to vomiting, diarrhea, potassium toxicity.
<b>Inhalation:</b>	Nuisance dust
<b>Skin:</b>	No adverse effects expected.
<b>Eye:</b>	Mechanical Irritant
<b>Other Information:</b>	No adverse health effects expected under normal conditions.
<b>Toxicity Data:</b>	LD <sub>50</sub> (oral, rat) 6600mg.kg <sup>-1</sup>

## Section 12: ECOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	Not assigned.
<b>Ecotoxicity:</b>	Avoid washing excessive amounts into streams and waterways.

## Section 13: DISPOSAL INFORMATION

<b>Product Disposal:</b>	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.
<b>Container Disposal:</b>	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

## Section 14: TRANSPORT INFORMATION

<b>UN Number:</b>	None allocated.
<b>Proper Shipping Name:</b>	None allocated.
<b>DG Class:</b>	None allocated.
<b>Other Information:</b>	No special transport requirements necessary.

## Section 15: REGULATORY INFORMATION

<b>Exposure Limits:</b>	(see sections 8 & 12)
<b>EPA:</b>	Approved pursuant to the HSNO Act 1996
See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval controls.	

## Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.