

# Safety Data Sheet

## Potassium Chloride

Revised: 23/01/2018

### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	Potassium Chloride
<b>Other Names:</b>	Muriate of potash, Potash
<b>Chemical Formula:</b>	KCl
<b>Product Code:</b>	2000000
<b>Recommended Use:</b>	Fertiliser
<b>Company Identification:</b>	Ravensdown Limited
<b>Address:</b>	292 Main South Road, Hornby, Christchurch 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

### 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>	6.1E, 6.3B, 6.4A, 9.3B
<b>Priority Identifiers:</b>	KEEP OUT OF REACH OF CHILDREN
<b>Secondary Identifiers:</b>	6.1E = May be harmful if swallowed 6.3B = Causes mild skin irritation. 6.4A = Causes eye irritation. 9.3B = Toxic to terrestrial vertebrates.



### Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Potassium Chloride	7447-40-7	99%

#### Section 4: FIRST AID MEASURES

<b>First Aid Measures:</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 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 swallowed rinse mouth but DO NOT induce vomiting. Seek medical advice.
<b>Skin:</b>	Wash affected area thoroughly with plenty of soap and water.
<b>Eye:</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>Advice to Doctor:</b>	Treat symptomatically.
<b>General:</b>	Wash contaminated clothing before reuse.

#### Section 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	n.a. (Non-flammable)
<b>Hazardous Combustion Products:</b>	Potassium oxides, hydrogen chloride.
<b>Extinguishing Media:</b>	Based on surrounding materials.
<b>Flammability Limits</b>	n.a.
<b>Auto-ignition Temperature:</b>	n.a.
<b>HAZCHEM Code:</b>	None allocated.

#### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. 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>	Avoid generating dusts. Use in outdoors or in well-ventilated area. <b>Approved Handler:</b> Not required. <b>Tracking:</b> Not required. <b>Record Keeping:</b> Not required.
<b>Storage:</b>	Store in a cool, dry area.
<b>Precautionary Statements:</b>	Keep out of reach of children. Wash hands thoroughly after handling. Do not eat drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid unintended release to the environment. Wear protective gloves/clothing and eye/face protection.

## 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>	Wear close fitting safety glasses or goggles to prevent dust getting in eyes. Ensure eye wash facilities should be available. Wear protective clothing and gloves where there is a risk of moderate to high skin contamination from product Wear particulate respirator where there is a risk of breathing in moderate to high levels of airborne dust
<b>Engineering Controls:</b>	Handle in well ventilated area. Minimise generation of airborne dust
<b>Hygiene Precautions:</b>	Do not eat, drink or smoke when handling this product. Remove contaminated protective clothing and wash hands and face before meals and after work.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White, pink or red.
<b>Format:</b>	Crystals/Granules
<b>Odour:</b>	Odourless
<b>Specific Gravity:</b>	2.0g/cm <sup>3</sup>
<b>Bulk Density:</b>	1,100kg/m <sup>-3</sup>
<b>pH:</b>	(50g.L <sup>-1</sup> in water, 20°C) ~7
<b>Solubility in Water:</b>	Soluble
<b>Boiling Point:</b>	1420°C (sublimes)
<b>Melting Point:</b>	773°C
<b>Vapour Pressure:</b>	Not applicable.
<b>Vapour Density:</b>	Not applicable.
<b>Auto ignition temperature:</b>	Not applicable.

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerisation:</b>	Will not occur.
<b>Hazardous Decomposition Products:</b>	Hydrogen chloride may be produced at high temperatures.
<b>Conditions to Avoid:</b>	No specific conditions.
<b>Materials to Avoid:</b>	No specific incompatibilities.
<b>Hygroscopic:</b>	No

## Section 11: TOXICOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	6.1E, 6.3B, 6.4A.
<b>Ingestion:</b>	Ingestion of large quantities. May lead to nausea, vomiting, diarrhea and abdominal cramps.
<b>Inhalation:</b>	Slight Irritant. Elevated exposure may result in mucous membrane irritation (nose & throat).
<b>Skin:</b>	Slight Irritant. Prolonged and repeated skin exposure may result in irritation, skin rash and dermatitis.
<b>Eye:</b>	Irritant. Exposure to dusts may result in irritation and lachrymation (tears).
<b>Toxicity Data:</b>	LD50 (oral, rat) 2600mg/kg
<b>Other Information:</b>	No adverse health effects expected under normal conditions.

## Section 12: ECOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	9.3B.
<b>Ecotoxicity:</b>	Avoid unintended release into streams and waterways.

## Section 13: DISPOSAL INFORMATION

<b>Product Disposal:</b>	Collection into sealable containers and dispose of in an appropriate land fill. Reuse or recycle where possible. If practicable apply excess fertiliser at recommended rates to appropriate land. Observe any local authority restrictions that may apply.
<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

**EPA:** Approved pursuant to the HSNO Act 1996, Approval number HSR003261.  
See [www.epa.govt.nz](http://www.epa.govt.nz) 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.

### Checked

Hazard Classification	EPA CCID	MXM
Identifiers	EPA CCID, Labelling of Hazardous Substances	MXM
Pictogram	EPA CCID, Labelling of Hazardous Substances	MXM