

# Safety Data Sheet

## Salt

Revised: 20/10/2016

### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	<b>SALT (Sodium Chloride)</b>
<b>Product Code:</b>	<b>Grade 10;</b> 0001900 (bulk) <b>Grade 22;</b> 0001920 (1 tonne bags), 0001930 (1.2 tonne bags) <b>Grade 22 Animal Health;</b> 8210010 (25kg bags) <b>Grade 27;</b> 0002410 (25kg bags), 0002420 (1 tonne bags)
<b>Recommended Use:</b>	A fertiliser additive Animal Health product; prevention and treatment of sodium deficiency in grazing livestock
<b>Company Identification:</b>	Ravensdown Limited
<b>Address:</b>	292 Main South Road, Hornby PO Box 1049 Christchurch
<b>Customer Centre:</b>	0800 100 123
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Telephone Number:</b>	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
<b>Transport Emergency Phone:</b>	111 - tell operator what service is needed: Fire, Ambulance, Police

### Section 2: HAZARD IDENTIFICATION

<b>Hazard Classifications:</b>	6.1E, 6.4A
<b>Priority Identifiers:</b>	WARNING KEEP OUT OF REACH OF CHILDREN
<b>Secondary Identifiers:</b>	6.1E = May be harmful if swallowed, inhaled or absorbed through the skin 6.4A = Eye irritant

### Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Sodium Chloride	7647-14-5	>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 patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
<b>Skin:</b>	Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
<b>Eye:</b>	Flush with plenty of water for 15 minutes holding eyelids open if necessary. Call a doctor immediately.
<b>Advice to Doctor:</b>	No specific antidote. Treat symptomatically. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

#### Section 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Not applicable (non-flammable)
<b>Hazardous Combustion Products:</b>	Salt withstands temperatures up to its melting point and beyond without decomposing, but at very high temperatures (greater than approximately 800°C) a vapour may be emitted which is particularly irritating to the eyes.
<b>Extinguishing Media:</b>	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
<b>Protective Equipment:</b>	Protective gloves and breathing apparatus
<b>HAZCHEM Code:</b>	Not applicable
<b>Location Certificate:</b>	Not applicable
<b>Hazardous Atmosphere Zone:</b>	Not applicable

#### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental Precaution:</b>	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact the local authority.

## Section 7: HANDLING AND STORAGE

**Handling:** Keep out of reach of children. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required. Salt dust is non-flammable but static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous.

**Approved Handler:** Not required

**Tracking:** Not required

**Record Keeping:** Not required

**Storage:** Due to its hygroscopic nature, salt should be stored in a dry atmosphere and away from concentrated acids. It absorbs moisture if the relative humidity is above 75 %. Product should be stored in such a way that it does not present a hazard if product were to fall. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409; Management of Agrichemicals.

**Other Information:** Always read the label before use. See label for further information on handling and storage.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Limits:** No exposure limits have been assigned for this product.

**Protective Equipment:** When contact with product is likely, wear protective gloves.

**Engineering Controls:** Handle in well-ventilated area. Avoid inhalation of dust. Static electricity can be generated by pneumatic conveying therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous.

**Hygiene Precautions:** Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Crystalline solid

**Specific Gravity:** 2.2

**Solubility in Water:** Soluble (35.9 g/100g at 0°C; 39.2 g/100g at 100°C)

**Flash Point:** Not applicable (non-flammable)

**Boiling Point:** 1,413°C

**Melting Point:** 802°C

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	When stored appropriately this product should show no significant degradation for at least 5 years from the date of manufacture.
<b>Hazardous Decomposition Products:</b>	None
<b>Hazardous Polymerisation:</b>	Hazardous polymerisation is not likely to occur
<b>Materials to Avoid:</b>	Reacts with strong sulphuric acid or nitric acid to give hydrogen chloride gas
<b>Conditions to Avoid:</b>	High humidity

## Section 11: TOXICOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	6.1E, 6.4A
<b>Inhalation:</b>	Dusts may be irritating
<b>Ingestion:</b>	Oral LD50 (rat); 3,000 mg/kg Salt is an essential constituent of the diet. It provides important body electrolytes and is the source of hydrochloric acid present in the gastric juices. The blood stream contains nearly 1% sodium chloride. In normal industrial use salt is non-hazardous.
<b>Skin:</b>	Irritation after prolonged contact
<b>Eye:</b>	Dust may be irritating
<b>Chronic Effects:</b>	None
<b>Reproductive Toxicity:</b>	None
<b>Mutagenicity:</b>	Non-mutagenic
<b>Carcinogenicity:</b>	Not considered to be carcinogenic

## Section 12: ECOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	Not considered an ecotoxic substance
<b>Ecotoxicity:</b>	96 hour LC 50 (Fish) 6,750 mg/L 48 hour EC 50 (Daphnia) 2,024 mg/L 72 hour IC 50 (Algae) 3,014 mg/L Daphnia Sub acute 1,062 mg/L Fish Sub acute 433 mg/L Earthworm Toxicity 1,000 hg/cm <sup>2</sup>

## Section 13: DISPOSAL INFORMATION

<b>Product Disposal:</b>	Dispose of product only by using according to label or at an approved landfill. Recycle where possible. Do not contaminate bodies of water with chemical or empty container. Refer to the Local council bylaws and Land Waste Management Authority. Dissolved material in excess water is normally suitable for disposal in storm water system.
<b>Container Disposal:</b>	Burn container in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise bury in an approved landfill. Do not use container for any other purpose.

## Section 14: TRANSPORT INFORMATION

**Transport Information:** It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport.

### RAIL/ROAD; SEA (IMDG Code); AIR (ICAO/IATA)

<b>UN Number:</b>	N/A
<b>Proper Shipping Name:</b>	N/A
<b>DG Class:</b>	N/A
<b>Subsidiary Class:</b>	N/A
<b>Packing Group:</b>	N/A
<b>Marine Pollutant:</b>	No
<b>MTQ (non-commercial):</b>	N/A
<b>HAZCHEM Code:</b>	N/A
<b>IERG Number:</b>	N/A

**Other information:** Check the latest versions of the Land Transport Dangerous Goods Rule 45001 and associated Transport of Dangerous Goods on Land (NZS 5433) for additional information on maximum allowable transport quantities (MTQ's), placarding and segregation. Sea transport may require further segregation.

## Section 15: REGULATORY INFORMATION

**ACVM:** Exempt from Registration under the ACVM Act 1997

**EPA:** Approved pursuant to the HSNO Act 1996, Approval number: HSR002722  
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 on page 1 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.