



CHEETHAM SALT - STANDARD SALT RANGE

1 MATERIAL & SUPPLIER

Material Name	Sodium Chloride (Salt)
Product Names	Mermaid Sieved Coarse, Mermaid Refined Coarse, Mermaid Gourmet Salt Crystals (10kg), Saxa Sea Salt Crystals, Mermaid Flossy, Mermaid Grade 6 Salt, Mermaid Dried Fine, Mermaid Special Milled, Mermaid Pretzel Salt, Mermaid Premium Salt, Mermaid Grade 9 Salt, Mermaid Superfine Salt, Mermaid FG Premium Salt, Mermaid Brine Washed Coarse, Mermaid Crushed Coarse Salt, Mermaid Washed Fine Salt, Watersoftener Salt, Mermaid Swimming Pool Salt, Diamond Swimming Pool Salt, Sunray Swimming Pool Salt, Ocean Pool Salt, Crown Dairy Salt, Ocean PDC Salt, Ocean Fine Salt, Antarctic Sea Salt, Bulk Crude Salt, Harvest Washed Salt, Flake Salt, Sea Salt Flakes, BP Vacuum Salt
Company Name	Cheetham Salt Limited
Street Address	Level 6, 565 Bourke Street, Melbourne, Victoria, 3000, Australia
Postal Address	PO Box 16126, Collins Street West, Melbourne, Victoria 8007, Australia
Telephone	1800 032 046
International Telephone	61 3 8624 6500
Facsimile	1800 025 110
International Facsimile	61 3 8624 6505

2 HAZARD IDENTIFICATION

Hazard Classification	Not classified as hazardous according to criteria of NOHSC
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3 COMPOSITION INFORMATION

Chemical Name	Sodium chloride (Salt)		
CAS No.	7647-14-5		
Synonyms	Salt, Solar Salt, Rock Salt, Sea Salt, Halite		
Ingredients	CAS No	Proportion	
	Salt (sodium chloride)	7647-14-5	100%

4 FIRST AID MEASURES

Swallowed	High water (or milk) intake facilitates urinary excretion. Provide liquid slowly but as much as casualty will drink. No need to induce vomiting. CAUTION: NEVER MAKE UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. In serious cases obtain medical attention.
Eyes	Irrigate with ample volume of water for 15 minutes. Keep eyelids well apart while rinsing and ensure no particles are lodged behind eyelids. Where irritation persists, seek medical advice.
Skin	Wash affected areas thoroughly with water (and soap if available). Seek medical attention in event of continued irritation.
Inhaled	Not normally a risk, but some discomfort may follow where working with dusty product. Ensure airways are clear, remove to fresh air. Allow patient to drink ample water (or milk).
Advice To Doctor	Treat Symptomatically

5 FIRE FIGHTING MEASURES

Fire / Explosion Hazard	Salt poses no fire or explosion hazard if involved in a fire, therefore use fire fighting procedures suitable for surrounding area. Salt is not combustible.
Hazards From Combustion Products	When heated to decomposition at a very high temperature it emits toxic fumes of chlorine & sodium oxide.
Firefighting Details	Salt poses no fire or explosion hazard if involved in a fire, therefore use fire fighting procedures suitable for surrounding area.
HAZCHEM Code	None Allocated

6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Recover product where practical. Contain spills to prevent release to water systems or environment.
Containment & Cleanup	Contain spills to prevent release to water systems or environment. Recover product where practical, vacuum or sweep up remnants (avoid generating dust) & dispose of in sealed containers to licensed waste.
UN No.	None Allocated

7 HANDLING & STORAGE

Handling	Under normal circumstances no specific handling measures are required. Where prolonged contact may occur, rubber gloves, safety goggles, overalls etc. may be used for personal comfort.
Storage	Store in a cool, dry place and away from oxidising materials. Keep containers securely sealed. Suitable containers include plastic bottles or drums, multi-ply woven plastic, other plastic, or multi wall paper bag with sealed plastic liner. Keep out of sunlight to prevent deterioration of packaging material.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	No exposure standard allocated
Biological Limit Values	No biological limit value allocated
Engineering Control Measures	Under normal circumstances engineering controls are not required however if use creates dust to a level that is a discomfort to workers a local exhaust system is recommended. Structural integrity of various metals used in equipment and structures should be regularly checked as salt accelerates corrosion of most common metals (especially in damp conditions). Iron, steel, zinc and aluminium are particularly susceptible, while brass, bronze and stainless steel are fairly resistant
Personal Protective Equipment	Under normal circumstances protective wear is not required however under particularly dusty conditions a dust mask is recommended. Where prolonged contact may occur, rubber gloves, safety goggles, overalls etc. may be used for personal comfort.

9 PHYSICAL & CHEMICAL PROPERTIES**Physical Description And Properties**

Appearance	Translucent to opaque white crystals or powder	
Odour	Nil	
Melting Point	801°C	
Boiling Point	1413°C at 101.3 kPa	
Vapour Pressure	1 mm Hg at 865°C	
Density	1.2 gm / cc	
Flashpoint / Flammability	Not applicable	
Solubility In Water	35.7 gm / 100 ml @ 0°C	39.12 gm / 100 ml @ 100°C
Molecular Weight	58.44	

10 STABILITY & REACTIVITY

Chemical Stability	Stable. Slightly hygroscopic.
Conditions To Avoid	Incompatible materials (below)
Hazardous Decomposition Products	When heated to decomposition at a very high temperature it emits toxic fumes of chlorine & sodium oxide. May evolve chlorine gas when in contact with strong acids
Incompatibility	Bromine trifluoride, lithium, strong acids

11 TOXICOLOGICAL INFORMATION**Health Effects**

<u>Acute</u>	Swallowed:	May cause vomiting, diarrhea, anorexia, thirst, fever, and convulsion after excessive ingestion. Dehydration may occur in most internal organs, central nervous system may be affected resulting in confusion or coma.
	Eyes	Dust exposure may cause physical irritation to the eyes because of the particulate nature of the product.
	Skin	Abrasive irritant to some sensitive persons, or when applied to open cuts & abrasions. Intensive exposure may result in dermatitis.
	Inhaled	Abrasive irritant to mucous membranes. May give salty taste or cause irritation to nose & throat. Symptoms could be coughing, sore and dry throat.
<u>Chronic</u>		There is no consensus in the scientific community about the relationship between salt and hypertension / elevated blood pressure. Some medical practitioners believe that high levels of salt can cause hypertension, but there is no evidence that this is so in healthy, normotensive people. There is evidence however that severe salt restriction can lower blood pressure in one third to one half of individuals with hypertension. It is therefore best assessed on an individual basis.
<u>Toxicity Data</u>		Orally in rats LD 50 = 3000 mg/kg Orally in humans TDLO = 12357 mg/kg

12 ECOLOGICAL INFORMATION

Ecotoxicity	No information available
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13 DISPOSAL CONSIDERATIONS

Disposal	Contain spills to prevent release to water systems or environment. Recover product where practical, vacuum or sweep up remnants (avoid generating dust) & dispose of in sealed containers to licensed waste.
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14 TRANSPORT INFORMATION

Transport	During transport, should be covered to prevent rain or physical damage. Keep dry.
UN Number	None allocated
Shipping Name	None allocated
Class & Subsidiary Risk	None allocated
Packing Group	None allocated
Hazchem Code	None allocated

15 REGULATORY INFORMATION

Considered naturally occurring chemical by AICS (Australian Inventory of Chemical Substances) when used industrially.

**16 OTHER INFORMATION**

Business Hours Phone	1800 032 046	International 61 3 8624 6500
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Business Hours Fax	1800 025 110	International 61 3 8624 6505
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Note The information contained herein is derived from a variety of sources and standards published internationally. Cheetham Salt has taken all care to ensure that the information is accurate. Safety levels are not 'no effect' levels and therefore do not guarantee protection to every worker. Given the nature of biological variation, a small proportion of workers exposed to a particular chemical may react at or below levels prescribed.

This information is not to be construed as a warranty. Although strict quality control is exercised during the manufacture of these products, as the manufacturer does not control transportation, storage, handling or use of these products we assume no liability resulting from their use. No guarantee is given as to the suitability, performance, effects or results of the use of these products.

Customers should make their own judgements and tests as to the products characteristics and performance in the context of intended use.

Date Authorised: 27/05/2014
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Reason for change: Changed from MSDS to SDS