



CHEETHAM SALT – SWIMMING POOL SALT

INTRODUCTION

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia

Note: this product contains an additive specifically for use in swimming pools and therefore the product should not be consumed by humans or animals, nor used in the preparation of food for humans or animals.

COMPANY DETAILS

Company Name	Cheetham Salt Limited		
Street Address	35 Lowe Street, Corio, Victoria, Australia 3214		
Postal Address	P.O. Box 165, North Shore, Victoria, Australia 3214		
Telephone	03 5275 8000	Facsimile	03 5274 1213
International Telephone	61 3 5275 8000	International Facsimile	61 3 5274 1213

IDENTIFICATION

Note: this MSDS covers all swimming pool salt products made by Cheetham Salt where the batch code information contains the identifiers "SP" or "VS".

Chemical Name	Sodium chloride
CAS No.	7647-14-5
Synonyms	Salt, Solar Salt, Rock Salt, Sea Salt, Halite
UN No.	None Allocated
Dangerous Goods Class	None Allocated
HAZCHEM Code	None Allocated
Uses	Used in pools fitted with a salt water chlorinator generating free chlorine by electrolysis of the sodium chloride (ie salt). This provides a system of sanitization to kill algae and harmful micro-organisms in the pool.

Physical Description And Properties

Appearance	Translucent to opaque white, slightly hygroscopic	
Melting Point	801°C	
Boiling Point	1413°C at 101.3 kPa	
Vapour Pressure	1 mm Hg at 865°C	
Density	2.163 gm / cc at 20°C (for solid sodium chloride)	
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	

Ingredients

	CAS No	Proportion
Salt (sodium chloride)	7647 – 14 - 5	100 %



HEALTH HAZARD INFORMATION

Health Effects

No adverse health effects expected if the product is handled in the normal course of adding salt to swimming pools and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<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.

Chronic

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 n5(nd10.02 ed-5.1(5en))TÆ17.813 0.TD-0.0009 Tc0.0968



PRECAUTION FOR USE (continued)

<u>Personal Protection</u>	Under normal circumstances protective wear is not required, however under particularly dusty conditions a dust mask is recommended. Rubber gloves, safety goggles, overalls etc. may be used for personal comfort but not normally needed.	
<u>Flammability</u>	Non combustible.	
<u>Fire / Explosion Hazard</u>	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.	
<u>Incompatibility</u>	Bromine Trifluoride	Possible violent reaction
	Dichloromaleic Anhydride + Urea	Explosive reaction above 118°C.
	Lithium (burning)	Releases violent flammable sodium
	Nitrogen Compounds	May form explosive compounds under electrolysis conditions.

ACCIDENTAL RELEASE MEASURES

<u>Spills & Disposal</u>	Recover product where practical, sweep up remnants (avoid generating dust) & dispose of in sealed containers to licensed waste. Finally flush area to dissolve in sufficient amounts of water to meet existing water quality standards.
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STORAGE & HANDLING

<u>Storage & Transport</u>	<p>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.</p> <p>During transport, should be covered to prevent rain or physical damage</p> <p>Keep out of sunlight to prevent deterioration of packaging material.</p>
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CONTACT POINT

Business Hours Phone	(03) 5275 8000	International 61 3 5275 8000
Business Hours Fax	(03) 5274 1213	International 61 3 5274 1213

<u>Note</u>	<p>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.</p> <p>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.</p> <p>Customers should make their own judgements and tests as to the products characteristics and performance in the context of intended use.</p>
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Date Authorised: 24.11.06

Reason for change: Update uses, health effects

Replaces: 26/06/2005