

## SAFETY DATA SHEET

### SEA SALT

**Issue Date:** 20.02.2019  
**Material Name:** Sodium Chloride (Salt)  
**Product Names:** Ocean Nature Sea Salt, Aquarium  
**Company Name:** Aquasonic Pty Ltd  
**Street Address:** 14 Commerce St, Wauchope NSW 2446, Australia  
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**Hazard Classification Not classified as hazardous according to criteria of NOHSC**

**Chemical Name:** Sodium chloride (NaCl)  
**CAS No.:** 7647-14-5  
**Synonyms:** Salt  
**Ingredients:** CAS No Proportion,  
 Salt (sodium chloride) 7647 – 14 - 5 100%

#### FIRST AID

**If 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: NEVERMAKE 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

**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

**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.

<b>UN No.</b>	None Allocated
<b>Handling</b>	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.
<b>Storage</b>	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.
<b>National Exposure Standards</b>	No exposure standard allocated
<b>Biological Limit Values</b>	No biological limit value allocated
<b><u>Engineering Control</u></b>	
<b>Measures</b>	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.
<b><u>Personal Protective</u></b>	
<b>Equipment</b>	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.
<b>Physical Description &amp; Properties</b>	Appearance Translucent to opaque white crystals or powder
<b>Odour</b>	Nil
<b>Melting Point</b>	801C
<b>Boiling Point</b>	1413°C at 101.3 kPa
<b>Vapour Pressure</b>	1 mm Hg at 865°C
<b>Density</b>	2.163 gm / cc at 20°C (for solid sodium chloride)
<b>Flashpoint / Flammability</b>	Not applicable
<b>Solubility In Water</b>	35.7 gm / 100 ml @ 0°C 39.12 gm / 100 ml @ 100°C
<b>Molecular Weight</b>	58.44
<b>Chemical Stability</b>	Stable. Slightly hygroscopic.
<b>Conditions To Avoid</b>	Incompatible materials (below)
<b><u>Hazardous Decomposition</u></b>	
<b>Products</b>	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
<b>Incompatibility</b>	Bromine trifluoride, lithium, strong acids
<b>Health Effects</b>	
<b>Acute Swallowed</b>	May cause vomiting, diarrhea, anorexia, thirst, fever, and convulsion after excessive ingestion. Dehydration may occur in most internal organs, centralnervous system may be affected resulting in confusion or coma.
<b>Eyes</b>	Dust exposure may cause physical irritation to the eyes because of the particulate nature of the product.
<b>Skin</b>	Abrasive irritant to some sensitive persons, or when applied to open cuts & abrasions. Intensive exposure may result in dermatitis.
<b>Inhaled</b>	Abrasive irritant to mucous membranes. May give salty taste or cause irritation to nose & throat. Symptoms could be coughing, sore and dry throat.

<b>Chronic</b>	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.
<b>Toxicity Data</b>	Orally in rats LD 50 = 3000 mg/kg Orally in humans TDLO = 12357 mg/kg
<b>Ecotoxicity</b>	No information available
<b>Disposal</b>	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.
<b>Transport</b>	During transport, should be covered to prevent rain or physical damage. Keep dry.
<b>UN Number</b>	None allocated
<b>Shipping Name</b>	None allocated
<b>Class &amp; Subsidiary Risk</b>	None allocated
<b>Packing Group</b>	None allocated
<b>Hazchem Code</b>	None allocated

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