

## MATERIAL SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Vanuatu.

### COMPANY DETAILS

Pacific Suppliers Limited  
Lini Highway  
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Port Vila, VANUATU  
Telephone Number: (678) 25082  
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### IDENTIFICATION

Product Name: **SODA ASH**  
Other Names: Sodium carbonate  
Manufacturer's Product Code: 9CSO  
UN Number: None allocated  
Dangerous Goods Class and Subsidiary Risk: None allocated  
Hazchem Code: None allocated  
Poisons Schedule: None allocated  
Use: pH adjustment for pools

### Physical Description/Properties

Appearance: White odourless granular solid  
Melting Point: Decomposes  
Vapour Pressure: Not applicable  
Specific Gravity: 2.509  
Flashpoint: Not flammable  
Flammability Limits: Not flammable  
Solubility in Water: 33.2% maximum

### Other properties

Reactivity: Aluminium, acids, fluorine  
Reacts with acids. Large volumes of carbon dioxide gas and heat released. Heated to decomposition, emits fumes of sodium oxide.  
pH (undiluted): 11.4

### Ingredients:

All hazardous substances as defined by the NOHSC Code 1008 are listed by chemical name and CAS No. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous".

Chemical name:	CAS No:	Proportion:
Sodium bicarbonate	497-19-8	=>95%

### HEALTH HAZARD INFORMATION

#### Acute:

**Swallowed:** Irritating to mucous membranes.  
**Eye:** Irritating.

**Skin:** May irritate abraded skin.

**Inhaled:** Irritating.

#### Chronic

Continuous contact may cause skin irritation (red, dry, cracked skin). Excessive levels of airborne dust may irritate the mucous membranes and upper respiratory tract.

#### FIRST AID

**Swallowed:** Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**Eyes:** Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Seek medical attention as necessary.

**Skin:** Wash with soap and water. Get medical attention if irritation occurs and persists.

**Inhaled:** Remove to fresh air. If breathing difficulty or discomfort occurs and persists, seek medical attention.

**FIRST AID FACILITIES:** Eye wash. Fresh water.

**ADVICE TO DOCTOR:** While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities, and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.

### PRECAUTIONS FOR USE

**Exposure Standards:** 10 mg/m<sup>3</sup> (total dust).

**Engineering Controls:** Where possible, provide exhaust ventilation to prevent release of airborne dust into the work environment.

**Personal Protection:** Safety glasses with side shields are recommended. Respirators or dust masks should be worn to protect against airborne dust. Generally non-irritating to skin unless skin has been damaged. Use gloves and long-sleeved clothing to minimize skin contact if there is skin damage.

**Flammability:** Not flammable or combustible.

### SAFE HANDLING INFORMATION

**Storage and Transport:** Store in a cool dry area, away from acids. For bulk transfer use mechanical ventilation or approved respiratory protection to remove airborne dust in confined areas. Keep out of lakes, streams, ponds and sewer drains.

**Spills and Disposal:** Large quantities contacting vegetation or waterways may be toxic to vegetation and fish.

If spilled, the product can be recovered and re-used if not contaminated. If contaminated may be disposed of as a non-hazardous waste. Consult authorities on disposal procedures.

**Fire/Explosion Hazard:** Not applicable. Produces fumes of sodium oxide. Wear full protective clothing and self-contained breathing apparatus. Extinguish with water, water fog, carbon dioxide, (CO<sub>2</sub>), dry chemical. Reacts with acids to release large volumes of carbon dioxide gas and heat.

### OTHER INFORMATION

The Time Weighted Average (TWA) quoted above is the Worksafe Adopted National Exposure Standard for the average airborne concentration when calculated over a normal eight hour working day, for a five day working week.

**CONTACT POINT:** Pacific Suppliers (678) 25082