

**MATERIAL SAFETY DATA SHEET**  
**PRODUCT: SODIUM BICARBONATE**  
**SOLD AS: Poolmart Buffer, Premium Quality, Aquasheen**

**Date of Issue: 19 July 2003**

**STATEMENT OF HAZARDOUS NATURE**

Not classified as hazardous according to criteria of WorkSafe Australia

**COMPANY DETAILS**

**Company :** Premium Quality Pool Products Pty Ltd  
**Address:** 13-15 Nelson Avenue Padstow NSW 2211  
**Telephone:** (02) 9790 8777  
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**PRODUCT IDENTIFICATION**

**Product Name:** Sodium Bicarbonate (all grades)  
**Other Names:** Sodium hydrogen carbonate, Baking soda, Sodium bicarbonate FG grain, Bicarbonate Soda MG, Bicarbonate Soda STD, Bicarbonate soda FX, Sodium acid carbonate, Sodium, Sodium bicarbonate extra fine, Monosodium carbonate, Sodium Carbonic acid, monosodium salt.  
**CAS-No:** 144-55-8  
**Molecular Formula:** C-H-03.Na  
**UN Number:** N/A  
**DG Class:** N/A  
**Packing Group:** N/A  
**Hazchem Code:** N/A  
**Poisons Schedule:** N/A  
**Use:** Manufacture of effervescent salt and beverages, artificial mineral water, baking powder; pharmaceuticals; wool and silt treatments; fire extinguishers; timer mould prevention; antacid; mouthwash.

**PHYSICAL DESCRIPTION AND PROPERTIES**

**Appearance:** White crystalline powder. Odourless.  
**Boiling Point:** N/A  
**Melting Point:** N/A  
**Vapour Pressure:** (20 C) Negligible  
**Specific Gravity:** (water=1) 2.16  
**Solubility in water** (%w/w): 9.5

## HEALTH HAZARD INFORMATION

### Effects from Acute Exposure

- Ingestion:** No adverse effects expected, however large amounts may cause nausea and vomiting.
- Eye Contact:** May be an eye irritant. Exposure to dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
- Skin Contact:** Repeated or prolonged skin contact may lead to irritation.
- Inhalation:** Inhalation of dust may result in respiratory irritation.
- Long Term Effects:** Long term exposures to high concentrations of dust may cause increased mucous flow in the nose and respiratory system airways. Condition is likely to disappear after exposure stops.

R36 - Irritating to eyes.

## FIRST AID

- Ingestion:** Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice.
- Eyes:** If in eyes, hold eyes open and wash with water for at least 15 minutes. If any irritation persists seek medical advice.
- Skin:** Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
- Inhalation:** Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
- Notes to physician:** Treat symptomatically.

## FIRST AID FACILITIES

Eye wash and safety shower in area of use

## PRECAUTIONS FOR USE

### ENGINEERING CONTROLS

Use adequate ventilation to maintain atmospheric dust and vapour concentration at lowest practicable level. Avoid generating and inhaling dusts. Keep containers closed when not in use.

### PERSONAL PROTECTION

Avoid eye contact and prolonged skin contact. Wear overalls, chemical goggles, full-face shield, impervious gloves, rubber boots and rubber apron when working with large volumes. Use with adequate ventilation. If inhalation risk exists, wear respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before re-using.

### FLAMMABILITY

**Specific Hazards:** Non-combustible material.  
**Fire fighting further advice:** Not combustible.

## STORAGE AND HANDLING

### STORAGE

Store in a cool place and out of direct sunlight. Store away from acids, monoammonium phosphate, sodium-potassium alloy and 2-furaldehyde. Store away from stainless steel, nickel and its alloys. Keep dry – reacts with water, may lead to drum rupture. Keep containers closed at all times – check regularly for spills.

### SPILLS AND DISPOSAL

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Collect and seal in properly labelled drums for disposal. Wash area down with excess water. Refer to **State Land Waste Management Authority**. Normally suitable for disposal at approved land waste site. Do not dispose of with acids.

Avoid contaminating waterways. Harmless to aquatic organisms.

<b>CONTACT INFORMATION</b>
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**CONTACT: CHIEF EXECUTIVE OFFICER: (02) 9790 8777**

<b>DISCLAIMER</b>
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