AUSTRALIAN CHEMICAL REAGENTS

# SAFETY DATA SHEET

Date Prepared: May 2019
Version No: 5

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Alkalinity Std 1000 mg/L as $CaCO_3$
Product Code: 4672
Other Names: Nil
Uses: Analytical Reagent

Supplier: Australian Chemical Reagents
38-50 Bedford Street Gillman SA 5013

Contacts: Telephone: 61 08 84402000
Fax: 61 08 84402001
Emergency Phone: 61 08 84402000 Mon-Fri 8:30am - 5:00pm

## 2. HAZARDS INFORMATION

**Hazard classification:** Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredients :**

| Chemical Entity | CAS No | Proportion |
|---|---|---|
| Sodium carbonate | [497-19-8] | <1% |
| Water | [7732-18-5] | to 100% |

## 4. FIRST AID MEASURES

Safety showers and eye wash facilities should be provided.

**Swallowed :**
If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

**Eye :**
Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

**Skin :**
Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

**Inhaled :**
Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**
Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Hazards From Combustion Products:**
The product will not burn or support combustion

**Precautions For Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:**
Prevent from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material.

**Methods and materials for containment and clean up:**
Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**
Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.
**Conditions for Safe Storage:**
Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Keep dry. Observe good hygiene and housekeeping practices.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards:**
SWA – None known

**Biological Limit Values:** No data available.

**Engineering Controls:**
Not required with normal use.

**Personal Protective Equipment (PPE):**
The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended. If respiratory protection is required use in accordance with AS/NZS 1715 Selection Use & Maintenance of Respiratory Devices and AS/NZS 1716 Respiratory Protective Devices

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance :** | Clear liquid |
| **Odour:** | Nil |
| **pH:** | Not available |
| **Boiling Point ($^0$C) :** | 100 |
| **Freezing/melting Point:** | 0 |
| **Vapour Pressure (mm of Hg @ 25$^0$C) :** | Not applicable |
| **Vapour Density:** | Not applicable |
| **Specific Gravity :** | 1 |
| **Flash Point ($^0$C) :** | Not flammable |
| **Flammability Limits (%) :** | Not flammable |
| **Solubility in Water (g/L) :** | Soluble |

## 10. STABILITY AND REACTIVITY

**Chemical stability:**
Stable.
**Conditions to avoid:**
Exposure to air, excessive heat.
**Incompatible materials:**
Acids
**Hazardous decomposition products:**

Refer to section 5 (Fire Fighting Measures).
**Hazardous reactions:**
Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Health Effects:**
**Swallowed :** Ingestion of a large quantity may cause a feverish reaction and cause leukocytosis. Irritating to gastric system. For sodium carbonate oral rat LD50 4090 mg/kg.
**Eye :** May be irritating to eye tissue. For sodium carbonate 100 mg rinse produced mild irritation to rabbit eyes.
**Skin** :May be irritating to skin tissue. For sodium carbonate 500 mg produced mild irritation to rabbit skin after 24 hours.
**Inhaled :** Mists may be irritating to mucous membranes and upper respiratory tract. For sodium carbonate inhalation rabbit LC50 2300 mg/$m^3$/2h.

**Chronic Effects:** No data available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**
No data available. Do not allow to enter waterways.
**Persistence and degradability:**
No data available.
**Mobility:**
No data available.

## 13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

## 14. TRANSPORT INFORMATION

**UN Number:** Not applicable
**UN Proper Shipping Name:** Non dangerous goods
**Class and subsidiary risk(s):** Not applicable
**Packing Group**: Not applicable
**Hazchem Code:** Not applicable
**Special precautions for user** : Nil

## 15. REGULATORY INFORMATION

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):**
Not scheduled

## 16. OTHER INFORMATION

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