



# Coral Essentials - Safety Data Sheet

## Section 1: Identification

**Product Name:** Calcium Reactor 1

**Chemical Name/Synonyms:** Nil

**Company:** RC Coral Pty Ltd, 12/45 Canberra St, Hemmant, Queensland, Australia, 4174. Ph +61 428993241

**In emergency call:** Australia – 131126. For other countries call your local emergency or poisons hotline number.

## Section 2: Hazard(s) Identification

**Hazard Classification:** Acute Toxicity – Oral: Category 5.  
Skin Corrosion/Irritation: Category 4

**Signal Word(s):** Warning

**Hazard Statements:** H302 - Harmful if swallowed  
H316 - Causes mild skin irritation  
H320 - Causes eye irritation

**Precautionary Statements:**

P264 Wash hands thoroughly after handling.

P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

P330 Rinse mouth.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with soap and water.

P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.

**Pictograms:**

Nil

## Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Concentration
Sodium Fluoride	NaF	7681-49-4	≤ 0.075%
Potassium Iodide	KI	7681-11-0	≤ 0.05%
Boric Acid	Boric Acid Granular	10043-35-3	≤ 0.2%
Sodium Bromide	NaBr	7647-15-6	≤ 0.2%
Sodium Molybdate Dihydrate	Na <sub>2</sub> MoO <sub>4</sub>	10102-40-6	≤ 0.015%
Water	H <sub>2</sub> O	7732-18-5	≥ 99%

## Section 4: First-Aid Measures

**Inhalation:** If any breathing difficulties exist, remove product from close proximity to nose and move to fresh air immediately.

**Ingestion:** Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if any adverse effects persist.

**Skin Contact:** Wash with plenty of soap and water. If irritation occurs seek medical advice.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the chemical is removed, while holding the eyelid(s) open.

## Section 5: Fire-Fighting Measures



Substance is non-flammable.

**Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters:** Not applicable

#### Section 6: Accidental Release Measures

**Personal precautions:** Avoid substance contact

**Measures for cleaning/collecting:** Wipe up with damp disposable cloth not used for any kitchen activity, wash thoroughly and dispose of accordingly straight after use.

#### Section 7: Handling and Storage

**Handling:** Avoid ingestion and inhalation of vapor or liquid. Avoid contact with eyes, skin, and clothing. If ingested, seek medical advice immediately.

**Storage:** Store in a tightly closed container as supplied, in a cool, dry area. Keep well closed and protected from direct sunlight. Protect against physical damage.

#### Section 8: Exposure Controls/Personal Protection

Prolonged exposure to the substance is extremely unlikely. Contact time with open container is less than 2 minutes per week based on daily dosing via drops and less for adding the product to RODI water and dosing via dosing pumps. The time waited average (TWA) exposure levels are well below acceptable limits.

**General protective and hygienic measures:** Nil

**Breathing equipment:** Nil

**Protection of hands:** Nil

**Eye protection:** Nil

#### Section 9: Physical and Chemical Properties

**Form:** Liquid

**Appearance:** clear, colourless

**Odour:** Odourless

**Decomposition:** Loses H<sub>2</sub>O via evaporation at room temperature

**Boiling Point (°C):** Not determined

**Freezing Point (°C):** Not determined

**Melting Point (°C):** Not determined

**Solubility in Water:** Soluble in all proportions

**Solubility in Organic Solvents:** Not determined

**Specific Gravity @25 °C:** ~1.0g/mL

**pH 5.0 - 7.0 (50 g/l, 25 °C):** neutral in solution

**Volatile Component:** 0 %vol @ 25 °C

**Flammability:** Non-combustible material

#### Section 10: Stability and Reactivity

**Chemical stability:** Stable under ordinary conditions of use and storage.

**Conditions to avoid:** Nil

**Incompatible materials:** Nil

**Hazardous decomposition products:** Nil

#### Section 11: Toxicological Information



No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptom or effects may occur

**Acute toxicity:** Oral

**Skin:** May cause irritation

**Eye:** May cause irritation and redness

**Inhalation:** May cause irritation to the respiratory tract

**Ingestion:** Large oral doses may cause irritation to the gastrointestinal tract, with nausea and vomiting.

**Carcinogenic effects:** No evidence of carcinogenic properties

**Mutagenic effects:** No evidence of mutagenic properties

**Reproductive toxicity:** Nil

#### Section 12: Ecological Information

No ecological problems are to be expected when the product is handled and used with due care and attention.

**Ecotoxicity:** Quantitative data on the ecological effect of this product are not available

**Environmental Protection:** Nil

#### Section 13: Disposal Considerations

**Disposal Consideration:** Product should be used completely before disposing. Rinse empty container in water and dispose of in appropriate recycling facilities.

#### Section 14: Transport Information

**Transport Information:** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road, Rail and Air

#### Section 15: Regulatory Information

**Industrial Chemicals (Notification and Assessment) Act Australia 1989:**

All ingredients are listed on or exempt from the Australia Inventory of Chemical Substances (AICS).

#### Section 16: Other Information

**SDS Issue & Date:** Issue 1, 19<sup>th</sup> May 2023