



Coral Essentials - Safety Data Sheet

Section 1: Identification

Product Name: Calcium Reactor 2

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.

Signal Word(s): Warning

Hazard Statements: H302 – Harmful if swallowed.

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.

Pictograms:

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Concentration
Iron (Fe) as EDTA COMPLEX	Chelated Iron		≤ 0.1%
Chromium (III) Chloride Hexahydrate	CrCl ₃ 7H ₂ O	10060-12-5	≤ 0.001%
Zinc Sulfate Heptahydrate	ZnSO ₄ 7H ₂ O	7446-20-0	≤ 0.001%
Copper (II) Sulfate Pentahydrate	CuSO ₄ 5H ₂ O	7758-99-8	≤ 0.001%
Manganese (II) Sulfate Monohydrate	MnSO ₄ H ₂ O	10034-96-5	≤ 0.001%
Cobalt (II) Sulfate LR Heptahydrate	CoSO ₄ 7H ₂ O	10026-24-1	≤ 0.0001%
Nickel (II) Sulfate Hexahydrate	NiSO ₄ 6H ₂ O	10101-97-0	≤ 0.0005%
Strontium Chloride Hexahydrate	Cl ₂ Sr · 6H ₂ O	10025-70-4	≤ 0.05%
Potassium Chloride	KCl	7447-40-7	≥ 0.1%
Manganese Sulphate monohydrate	MnSO ₄ .H ₂ O	10034-96-5	≤ 0.001%
Lithium Chloride	LiCl	7447-41-8	≤ 0.003%
Magnesium Chloride Hexahydrate	MgCl ₂ 6H ₂ O	7791-18-6	≤ 0.5%
Water	H ₂ 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: colourless liquid

Odour: Odourless

Decomposition: Loses H₂O 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, 19th May 2023