



SAFETY DATA SHEET

DATE: 29th October 2024

1. Identification

Product Name: Lithium Carbonate

CAS Number: 554-13-2

Recommended use/Use advised against: No information available

Details of the Australian Supplier:

Astral Scientific Pty Ltd
29 Mangrove Lane
Taren Point NSW 2229

Company Phone Number: 02 9540 2055

Email Address: support@astralscientific.com.au

Emergency Telephone Number: 13 11 26

2. Hazard(s) Identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910. 1200)

Label Elements

Signal Word: Warning

Hazard Statements: H302 Harmful if swallowed



Precautionary Statements: PREVENTION: P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear eye protection/ face protection. **RESPONSE:** P301+P312+P330 **IF SWALLOWED:** Call a POISON CENTER/ doctor if you feel unwell. 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. P337+P313 If eye irritation persists: Get medical advice/ attention. **DISPOSAL:** P501 Dispose of contents/ container to an approved waste disposal plant.

3.Composition / Information on ingredients

Component	CAS #	Purity / Weight %
Lithium carbonate	554-13-2	<= 100 %

4.First-aid measures

General Advice	Show this SDS to doctor in attendance.
Eye Contact	Rinse immediately with plenty of water, remove contact lenses. Get medical attention.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Inhalation	Remove to fresh air.
Ingestion	Immediately make victim drink water (two glasses at most). Consult a physician. Contact doctor.

Most important symptoms/effects The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Notes to physician No data available

5.Fire-fighting measures

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given.

Flash Point No information available

Method No information available

Autoignition temperature No information available

Explosion limits

Upper No information available

Lower No information available

Sensitivity to mechanical impact No information available

Sensitivity to static discharge No information available

Specific hazards arising from the chemical

Nature of decomposition products not known. Not combustible. Ambient fire may liberate hazardous vapours.

Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measure

Personal precautions

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods for containment/clean-up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7. Handling and storage

Handling

For precautions see section 2. Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes.

Storage

Store below 25°C, Protect from moisture and light. Keep container tightly closed in a dry and well ventilated place.

8. Exposure controls / personal protection

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye/Face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Wear safety glasses.

Skin and body protection

Preventive skin protection recommended. Wash hands after working with substance. Change contaminated clothing.

Respiratory protection

Required when dusts are generated.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical state

Powder

Appearance	White
Odor	Odorless
Odor threshold	No information available
pH	No information available
Melting point/range	618 °C - lit.
Boiling point/range	No information available
Flash point	No information available
Evaporation rate	Not applicable
Flammability (solid, gas)	No information available
Flammability or explosive elements	
Upper	No information available
Lower	No information available
Vapor pressure	No information available
Vapor density	Not applicable
Specific gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	Not applicable

10.Stability and reactivity

Reactive hazard	No information available
Stability	Stable under normal conditions
Conditions to avoid	No information available
Incompatible materials	No information available
Hazardous decomposition products	In the event of fire, see section 5

11.Toxicological information

Acute Toxicity

Product information / Component information

LD50 Oral	LD50 Dermal	LC50 Inhalation
Rat - 525 mg/kg	Rabbit - male and female - > 3,000 mg/kg	Rat - male and female - 4 h - > 2 mg/l - dust/mist

Toxicologically synergistic products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity No information available

Mutagenic effects No information available

Reproductive effects No information available

Developmental effects No information available

Teratogenicity No information available

STOT – single exposure No information available

STOT – repeated exposure No information available

Aspiration hazard No information available

Other adverse effects The toxicological properties have not been fully investigated.

12.Ecological information

Ecotoxicity

Do not empty into drains

Persistence and degradability The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulation/accumulation No information available

Mobility No information available

13. Disposal considerations

Waste disposal methods

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

DOT	Not dangerous goods
TDG	Not dangerous goods
IATA	Not dangerous goods
IMDG/IMO	Not dangerous goods

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons: No poison schedule number allocated.

Revision date 29th October 2024

Revision Note No information available.

Disclaimer

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End of Safety Data Sheet