

Safety Data Sheet
LITHIUM CARBONATE SOLID

Section 1 - Chemical Product and Company Identification

MSDS Name: Lithium Carbonate Solid.

Catalog Numbers: SO-568

Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923

For information, call: 978-739-4883

Emergency Number: 800-424-9300

For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

Health Hazards

H302 **Acute Oral Toxicity:** 4

H313 **Acute Dermal Toxicity:** 5

H316 **Skin Corrosion/ Skin Irritation:** 3

H320 **Eye Damage/ Irritation:** 1

Physical Hazards

Not Classified

Environmental Hazards

Acute Aquatic Environmental Hazards: Not Classified

Chronic Environmental Hazards: Not Classified

Pictograms or Hazard Symbols and Hazard Statement



Warning: May be harmful in contact with skin.
Causes mild skin irritation.



Warning: Harmful if swallowed.



Danger: Causes serious eye damage.

Precautionary Statement Prevention

H302

P312 Call a physician if you feel unwell.

H313

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

H316

P332 + P313 If skin irritation occurs, get medical advice/attention.

H320

P264 Wash thoroughly after handling.

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.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
554-13-2	Lithium Carbonate	100

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

Auto ignition Temperature: N/A

Explosion Limits: N/A

Upper: N/A

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Do not breathe dust. Avoid contact with skin and eyes. Wear suitable protective clothing. In case insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from incompatibles such as oxidizing agents, acids.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Mechanical exhaust

Personal Protective Equipment:

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9 - Physical and Chemical Properties

Physical State: Granular solid.

Odor: Odorless
Molecular Weight: 73.89 g/mole
Chemical Formula: Li₂CO₃
Color: White
Melting Point: 720 deg C (1328F)
pH: 11.2
Boiling Point: 1310 deg. C
Specific Gravity: 2.11
Solubility: Partially soluble in water

Section 10 - Stability and Reactivity

Chemical Stability: Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

Hazardous Decomposition Products: not known

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

CAS# 554-13-2

LD50/LC50:

Oral-Rat 525 mg/kg

Carcinogenicity:

CAS# 554-13-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Ecotoxicity:

Not available

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility.

Section 14 – Transport Information

DOT (US)

Not a DOT controlled material (United State)

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European/International Regulations

European Labeling in Accordance with EC Directives

Risk Phrases:

R/21/22 Harmful in contact with skin and if swallowed
R36/38 Irritating to eyes and skin

Safety Phrases:

S3/7/9 Keep container closed in a cool, well-ventilated place
S24/25 Avoid contact with skin and eyes
S20/21 When using do not eat, drink or smoke
S2 Keep out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of soap and water
S37/39 Wear suitable gloves and eye/face protection

Section 16 - Additional Information

MSDS Creation Date: 1/8/2010

Revision #1 RC 12/2/14

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