

## Material Safety Data Sheet

# LITHIUM CARBONATE, 1% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Lithium Carbonate, 1% Aqueous

**Catalog Numbers:** SO-721

**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

H303 **Acute Oral Toxicity:** 5

H313 **Acute Dermal Toxicity:** 5

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

H320 **Eye Damage/ Irritation:** 2B

H317 **Skin Dermal Sensitization:** 1

H341 **Germ Cell Mutagenicity:** 2

H361 **Reproductive Toxicity:** 2

### 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 if swallowed.  
Causes mild skin irritation.  
Causes eye irritation



Warning: Harmful in contact with skin.  
May cause an allergic skin reaction.



Warning: Suspected of causing genetic defects.  
Suspected of damaging fertility or the unborn child.

## Precautionary Statement Prevention

### H303

**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.

### H317

**P272** Contaminated work clothing should not be allowed out of the work place.

**P333+P313** IF ON SKIN: Wash with plenty of soap and water.

**P363** Wash contaminated clothing before reuse.

### **H341+H361**

**P201** Obtain special instructions before use.

**P202** Do not handle until all safety precautions have been read and understood.

**P281** Use personal protective equipment as required.

**P308 + P313** If exposed or concerned, get medical advice/attention.

**P405** Store locked up.

#### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
144-55-8	Lithium Carbonate	1 w/v
7732-18-5	Water	100 v/v

#### 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

**NFPA** HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

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

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

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:** Liquid

**Appearance:** clear

**pH:** 7.90 – 8.40

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** Not Available

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:**

**CAS#** 554-13-2:

Acute Oral LD50: 525 mg/kg [rat]

Acute oral LD50: 531 mg/kg [mouse]

Acute Dermal LD50: 8000 mg/kg [rat]

**Carcinogenicity:**

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

## Section 12 - Ecological Information

**Ecotoxicity:** CAS# 554-13-2: 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 wasted facility.

## Section 14 – Transport Information

**DOT**

Non-Regulated

## 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

**Hazard Symbols:**

**Xn:** Harmful

**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** 011/19/14 YM

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rowley Biochemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rowley Biochemical, Inc. has been advised of the possibility of such damages.*