

# SAFETY DATA SHEET

## LITHIUM CHLORIDE

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**  
**Emergency Telephone No.: 905-466-3832**  
**Chemical Name: LITHIUM CHLORIDE**  
**Catalog Number: LIT704**

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification

#### CLASSIFICATION:

Acute toxicity: Category 4

Skin irritant: Category 2

Eye irritant, Category 2A

#### PICTOGRAM:



**SIGNAL WORD: WARNING**

#### HAZARD STATEMENTS:

H302- Harmful if swallowed

H315- Causes skin irritation

H319- Causes serious eye irritation

#### PRECAUTIONARY STATEMENTS:

P261-Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338- if in eyes: rinse cautiously with water for several minutes. remove contact lenses if present and easy to do. Continue rinsing.

P301+P312+P330- IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth.

P302+P352- IF ON SKIN: Wash with plenty of water.

#### Potential Health Effects:

Inhalation: May be harmful if inhaled.

Skin: May be harmful if absorbed through skin

Eyes: Causes eye irritation

Ingestion: Harmful if swallowed

### SECTION 3 COMPOSITION/ INGREDIENTS

**Molecular formula: LiCl**

**Molecular weight: 42.39**

	CAS #	EC-No.	%
Lithium Chloride	7447-41-8	231-212-3	100

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water . Consult a physician.

**Skin:** In case of contact, flush area immediately with water. Get medical aid if irritation persists.

**Inhalation:** Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..

**Ingestion:** Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammability:** not flammable

**Flash Point:** 113C-closed cup

**Autoignition Temperature:** not determined

**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.

**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions:

Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.

#### Methods for containment and clean up:

If safe to do so, contain further leakage. Sweep and place in a closed container. Dispose according to local regulations.

### SECTION 7 HANDLING AND STORAGE

**Handling:** Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Storage Conditions:** Room temperature. Keep cool and dry. Hygroscopic.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure limits:

ACGIH, NIOSH, OSHA, none listed

Use adequate ventilation. Avoid dust generation..

**Personal protective Equipment:** Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.

**Engineering Measures:** eye wash stations, ventilation systems, showers

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White crystalline

**Odor:** no information found

**Odor Threshold:** : no information found

**Melting Point:** 605C

**Boiling Point:** 1,360C

**Specific Gravity:** no information found

**Vapor Density:** no information found

**Vapor pressure:** no information found

**Water Solubility:** soluble in water

**pH:** N/A

**Density:** 2.070g/cm3

**Flammability:** No

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**Flash point:** no information found  
**Ignition temperature:** no information found  
**Autoignition temperature:** no information found  
**Lower explosion limit:** no information found  
**Upper explosion limit:** no information found

### SECTION 16 ADDITIONAL INFORMATION

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Date Prepared: Jan 1/2025  
Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.  
Observe all federal, provincial and state laws concerning health, safety and pollution.

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility:** strong oxidizing agents, strong acids, Bromine trifluoride.  
Stainless steel, iron, Nickel. Corrodes steel  
**Hazardous Decomposition Products:** hydrogen chloride gas, lithium oxides.  
**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50/LC50:  
Oral LD50-rat-526mg/kg  
Skin corrosion/irritation: reported OECD  
Eye corrosion/irritation: reported OECD.

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:** not listed by ACGIH, IARC, NTP, or CA

### SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:**  
No information found

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Care should be exercised when burning in chemical incinerator.. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

#### Shipping Information:

**DOT (US):**  
Not regulated  
**IMDG**  
Not regulated  
**IATA:**  
Not regulated

### SECTION 15 REGULATORY INFORMATION

**Canada:**  
WHMIS:  
D2B, Toxic material Causing Other Toxic Effects  
Moderate eye irritant  
Moderate Skin irritant.