

· EChem Supplies

SDS-Lithium carboxymethyl cellulose (CMCLi)

|            |            |
|------------|------------|
| VERSION    | 1.0        |
| REVISION   | 2026-06-22 |
| PRINT DATE | 2026-06-22 |
| CAS-NO.    | 9004-32-4  |

## SECTION 1 Identification

### 1.1 PRODUCT IDENTIFIERS

|                |                                 |
|----------------|---------------------------------|
| Product name   | Lithium carboxymethyl cellulose |
| Product number | N.A.                            |
| Brand          | EChem Supplies                  |
| CAS-No.        | 9004-32-4                       |
| EC-No.         | CLIBECMCLi                      |
| Index-No.      | Not assigned                    |

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE AND USES ADVISED AGAINST

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Identified uses      | Laboratory chemical · Research and development use   |
| Uses advised against | Not for consumer use or non-laboratory applications. |

### 1.3 DETAILS OF THE SUPPLIER

|           |                                                    |
|-----------|----------------------------------------------------|
| Company   | EChem Supplies                                     |
| Address   | 3487 Collins Ave, Unit A, San Pablo, CA 94806, USA |
| Telephone | +1 (559) 428-8906                                  |
| E-mail    | support@echemsupplies.com                          |
| Website   | echemsupplies.com                                  |

### 1.4 EMERGENCY TELEPHONE

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Emergency (CHEMTREC) | +1 800-424-9300 (USA) · +1 703-527-3887 (International) |
| Availability         | 24 hours / day · 7 days / week                          |

## SECTION 2 Hazards identification

### 2.1 CLASSIFICATION OF THE SUBSTANCE (OSHA HCS, 29 CFR 1910.1200)

- This substance is NOT classified as hazardous according to OSHA HCS (29 CFR 1910.1200) / GHS.

### 2.2 GHS LABEL ELEMENTS

Not a hazardous substance or mixture. No GHS pictogram, signal word, or hazard statement is required for this product.

### HAZARD STATEMENTS

None.

### PRECAUTIONARY STATEMENTS

Observe good industrial hygiene practices. Avoid dust formation; provide adequate ventilation.

### 2.3 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

None known.

## SECTION 3 Composition / information on ingredients

### 3.1 SUBSTANCES

|                  |                                                   |
|------------------|---------------------------------------------------|
| Chemical name    | Lithium Carboxymethyl Cellulose (CMCLi)           |
| Synonym          | Lithium carboxymethylcellulose                    |
| Formula          | (C <sub>8</sub> H <sub>16</sub> LiO) <sub>n</sub> |
| Molecular weight | N.A.                                              |
| CAS-No.          | 9004-32-4                                         |
| EC-No.           | CLIBEBCMCLi                                       |

| COMPONENT | CLASSIFICATION | CONCENTRATION |
|-----------|----------------|---------------|
|           | Not classified | ≤ 100 %       |

The substance contains no components classified as hazardous at reportable levels.

**4.1 DESCRIPTION OF FIRST-AID MEASURES****GENERAL ADVICE**

No special measures required. Treat symptomatically. When in doubt, seek medical advice.

**IF INHALED**

Move the person to fresh air if dust has been inhaled. Seek medical advice if irritation persists.

**IN CASE OF SKIN CONTACT**

Wash off with soap and water.

**IN CASE OF EYE CONTACT**

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

**IF SWALLOWED**

Rinse mouth. Seek medical advice if discomfort occurs.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

No significant effects expected. Dust may cause mild mechanical irritation.

**4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT**

Treat symptomatically. No specific antidote required.

**SECTION 5****Firefighting measures**

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**5.1 EXTINGUISHING MEDIA****SUITABLE EXTINGUISHING MEDIA**

Use extinguishing media appropriate to the surrounding fire (water spray, foam, dry chemical, or carbon dioxide).

**UNSUITABLE EXTINGUISHING MEDIA**

None known.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE**

- No unusual fire or explosion hazard.
- Combustion may produce carbon and other oxides.

**5.3 ADVICE FOR FIREFIGHTERS**

Wear self-contained breathing apparatus and full protective gear in case of fire.

**5.4 FURTHER INFORMATION**

Standard procedures for chemical fires apply.

**SECTION 6****Accidental release measures**

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**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

Avoid dust formation. Ensure adequate ventilation. Wear appropriate personal protective equipment (see Section 8).

**6.2 ENVIRONMENTAL PRECAUTIONS**

No special environmental precautions required. Prevent large quantities from entering drains or watercourses.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Sweep up or vacuum and collect in a closed container. Avoid generating airborne dust.

**6.4 REFERENCE TO OTHER SECTIONS**

For disposal see Section 13.

## SECTION 7 Handling and storage

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Observe good industrial hygiene. Avoid dust generation; provide adequate ventilation. Wash hands after handling.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES

- Keep container closed.
- Store in a dry, well-ventilated place.
- Keep away from strong oxidizers.

**Recommended storage temperature** Room temperature (15 – 30 °C)

**Storage class (TRGS 510)** Keep container tightly closed in a dry and well-ventilated place.  
Keep in a dry place

### 7.3 SPECIFIC END USE(S)

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

## SECTION 8 Exposure controls / personal protection

### 8.1 CONTROL PARAMETERS

| COMPONENT | OSHA PEL | ACGIH TLV |
|-----------|----------|-----------|
|           |          |           |

### 8.2 EXPOSURE CONTROLS

#### APPROPRIATE ENGINEERING CONTROLS

Provide local exhaust ventilation where dust is generated. Provide eyewash stations.

#### EYE / FACE PROTECTION

Safety glasses with side-shields (EN 166 / NIOSH).

#### SKIN PROTECTION

Standard work gloves; nitrile gloves recommended for prolonged contact.

#### RESPIRATORY PROTECTION

Not required under normal use. Where dust limits may be exceeded, use an N95 / P2 dust respirator.

## SECTION 9 Physical and chemical properties

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| PROPERTY                       | VALUE        |
|--------------------------------|--------------|
| Appearance                     | Form: Powder |
| Color                          | Color: White |
| Odor                           | Odourless    |
| pH                             | N.A.         |
| Melting point / freezing point | N.A.         |
| Initial boiling point          | N.A.         |
| Flash point                    | N.A.         |
| Flammability (solid)           | N.A.         |
| Vapor pressure                 | N.A.         |
| Density                        | N.A.         |
| Water solubility               | N.A.         |
| Autoignition temperature       | N.A.         |
| Explosive properties           | N.A.         |
| Oxidizing properties           | N.A.         |

### 9.2 OTHER SAFETY INFORMATION

**SECTION 10****Stability and reactivity**

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**10.1 REACTIVITY**

Stable and non-reactive under normal conditions of use and storage.

**10.2 CHEMICAL STABILITY**

Stable.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

None known under normal processing.

**10.4 CONDITIONS TO AVOID**

- Dust accumulation and ignition sources.
- Contact with strong oxidizers.

**10.5 INCOMPATIBLE MATERIALS**

Strong oxidizing agents.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon and other oxides upon combustion.

**SECTION 11****Toxicological information**

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**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS****ACUTE TOXICITY**

|            |                                    |
|------------|------------------------------------|
| Oral       | No data available / not classified |
| Inhalation | No data available / not classified |
| Dermal     | No data available / not classified |

**SKIN CORROSION / IRRITATION**

Not classified. Dust may cause mild mechanical irritation.

**SERIOUS EYE DAMAGE / EYE IRRITATION**

Not classified. Dust may cause mild mechanical irritation.

**CARCINOGENICITY**

Not listed as a carcinogen by IARC, NTP, or OSHA.

**11.2 ADDITIONAL INFORMATION**

No adverse health effects are expected under normal handling.

**SECTION 12****Ecological information**

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|                                      |                                                         |
|--------------------------------------|---------------------------------------------------------|
| 12.1 Toxicity                        | Not classified as environmentally hazardous             |
| 12.2 Persistence and degradability   | No data available                                       |
| 12.3 Bioaccumulative potential       | Not expected to bioaccumulate                           |
| 12.4 Mobility in soil                | No data available                                       |
| 12.5 PBT / vPvB assessment           | Not conducted — chemical safety assessment not required |
| 12.6 Endocrine-disrupting properties | No data available                                       |

**12.7 OTHER ADVERSE EFFECTS**

None known.

**SECTION 13****Disposal considerations**

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**13.1 WASTE TREATMENT METHODS****PRODUCT**

Dispose of in accordance with national and local regulations. When uncontaminated, this product is not expected to be a hazardous waste under RCRA.

**CONTAMINATED PACKAGING**

Empty containers may be recycled or disposed of as ordinary waste if uncontaminated.

**SECTION 14****Transport information**

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|                  |                                  |
|------------------|----------------------------------|
| DOT (US)         | Not regulated as dangerous goods |
| IMDG             | Not regulated as dangerous goods |
| IATA             | Not regulated as dangerous goods |
| UN number        | None                             |
| Marine pollutant | No                               |



**SECTION 15****Regulatory information**

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**15.1 US FEDERAL REGULATIONS**

- CERCLA reportable quantity: none
- SARA 302 / 304 / 313: not listed
- Clean Air Act: contains no hazardous air pollutants (HAP)
- TSCA: all components listed as active on the TSCA inventory

**15.2 US STATE RIGHT-TO-KNOW**

|                    |                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Massachusetts      | No components are subject to the Massachusetts Right to Know Act.                                                                        |
| Pennsylvania       | Carboxymethylcellulose lithium salt (CAS: 9004-32-4)                                                                                     |
| California Prop 65 | This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. |

**SECTION 16****Other information**

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**16.1 FULL TEXT OF H-STATEMENTS**

None — the substance is not classified as hazardous.

**16.2 REVISION INFORMATION**

|               |                      |
|---------------|----------------------|
| Version       | 1.0                  |
| Revision date | 2026-06-22           |
| Prepared by   | EChem Supplies — EHS |

**16.3 DISCLAIMER**

The information herein is believed to be correct but is provided as a guideline only, based on current knowledge of the substance. It does not constitute a warranty of any property of the product. EChem Supplies shall not be held liable for any damage resulting from handling or contact with the above product. The user is responsible for safe use and for compliance with all applicable laws and regulations.