

# Safety Data Sheet

Chelex 100

**CAROLINA**<sup>®</sup>  
www.carolina.com

## Section 1 Product Description

**Product Name:** Chelex 100  
**Recommended Use:** Science education applications  
**Synonyms:** Chelex  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

## Section 2 Hazard Identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200;**

No known OSHA hazards.

**GHS Classification:**

**Other Safety Precautions:** Not a dangerous substance according to GHS classification criteria.

## Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u> | <u>CAS #</u> | <u>%</u> |
|----------------------|--------------|----------|
| Chelex 100           | 68954-42-7   | 100      |

## Section 4 First Aid Measures

### Emergency and First Aid Procedures

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Skin Contact:** After contact with skin, wash immediately with plenty of water.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## Section 5 Firefighting Procedures

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** None Known  
**Hazardous Combustion Products:** None Known

## Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS.  
No special spill clean-up considerations. Collect and discard in regular trash. Vacuum or sweep up material and place in a disposal container

## Section 7 Handling and Storage

**Handling:** Avoid creating and inhaling dust. Do not ingest or take internally.  
**Storage:** Suitable for any general chemical storage.  
**Storage Code:** Green - general chemical storage

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## Section 8

## Protection Information

| <u>Chemical Name</u> | <u>ACGIH</u>            | <u>OSHA PEL</u>         |
|----------------------|-------------------------|-------------------------|
| No data available    | (TWA) N/A<br>(STEL) N/A | (TWA) N/A<br>(STEL) N/A |

### Control Parameters

#### Engineering Measures:

No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

#### Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

#### Respiratory Protection:

No respiratory protection required under normal conditions of use.

#### Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

#### Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

#### Gloves:

No information available

## Section 9

## Physical Data

**Formula:** See Section 3

**Molecular Weight:** N/A

**Appearance:** White to off-white Powder

**Odor:** None

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Flammable Limits in Air:** N/A

**Vapor Pressure:** N/A

**Evaporation Rate (BuAc=1):** N/A

**Vapor Density (Air=1):** N/A

**Specific Gravity:** N/A

**Solubility in Water:** Practically Insoluble

**Log Pow (calculated):** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Percent Volatile by Volume:** N/A

## Section 10

## Reactivity Data

**Reactivity:**

Not generally reactive under normal conditions.

**Chemical Stability:**

Stable under normal conditions.

**Conditions to Avoid:**

None known.

**Hazardous Decomposition Products:**

None Known

**Hazardous Polymerization:**

Will not occur

## Section 11

## Toxicity Data

|                          |                                             |
|--------------------------|---------------------------------------------|
| <b>Routes of Entry</b>   | Inhalation, ingestion, eye or skin contact. |
| <b>Symptoms (Acute):</b> | Respiratory Irritation, Eye Irritation      |
| <b>Delayed Effects:</b>  | No data available                           |

### Acute Toxicity:

| Chemical Name     | CAS Number | Oral LD50      | Dermal LD50    | Inhalation LC50 |
|-------------------|------------|----------------|----------------|-----------------|
| No data available | 68954-42-7 | Not determined | Not determined | Not determined  |

### Carcinogenicity:

| Chemical Name     | CAS Number | IARC       | NTP        | OSHA       |
|-------------------|------------|------------|------------|------------|
| No data available | 68954-42-7 | Not listed | Not listed | Not listed |

### Chronic Effects:

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Mutagenicity:</b>   | No evidence of a mutagenic effect.                  |
| <b>Teratogenicity:</b> | No evidence of a teratogenic effect (birth defect). |
| <b>Sensitization:</b>  | No evidence of a sensitization effect.              |
| <b>Reproductive:</b>   | No evidence of negative reproductive effects.       |

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**Target Organ Effects:****Acute:**

See Section 2

**Chronic:**

To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly evaluated.

**Section 12****Ecological Data**

**Overview:** This material is not expected to be harmful to the ecology.  
**Mobility:** No data  
**Persistence:** No data  
**Bioaccumulation:** No data  
**Degradability:** No data  
**Other Adverse Effects:** No data

**Chemical Name**  
N/A

**CAS Number**  
68954-42-7

**Eco Toxicity**

**Section 13****Disposal Information**

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.  
**Waste Disposal Code(s):** This material is not considered to be a RCRA hazardous waste.

**Section 14****Transport Information**

**Ground - DOT Proper Shipping Name:**  
Not regulated for transport by DOT

**Air - IATA Proper Shipping Name:**  
Not regulated for air transport by IATA.

**Section 15****Regulatory Information**

**TSCA Status:** All components in this product are on the TSCA Inventory.

| Chemical Name     | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|-------------------|------------|------------|----------|-----------|-----------|---------------|
| No data available | 68954-42-7 | No         | No       | No        | No        | No            |

**California Prop 65:**

No California Proposition 65 ingredients

**Section 16****Additional Information**

**Revised:** 08/21/2018

**Replaces:** 06/15/2018

**Printed:** 08-25-2018

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

**Glossary**

|        |                                                                       |      |                                               |
|--------|-----------------------------------------------------------------------|------|-----------------------------------------------|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available                                                         | SARA | Superfund Amendments and Reauthorization Act  |
|        |                                                                       | TLV  | Threshold Limit Value                         |
|        |                                                                       | TSCA | Toxic Substances Control Act                  |
|        |                                                                       | IDLH | Immediately dangerous to life and health      |