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:  
Chemtrec: 800-227-1150 (8am-5pm (ET) M-F)  
Chelex 100: 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  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chelex 100</td>
<td>68954-42-7</td>
<td>100</td>
</tr>
</tbody>
</table>

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
Section 8 Protection Information

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):

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

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

Acute Toxicity:

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

Carcinogenicity:

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

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects.
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Eco Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>68954-42-7</td>
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</table>

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>§ 313 Name</th>
<th>§ 304 RQ</th>
<th>CERCLA RQ</th>
<th>§ 302 TPQ</th>
<th>CAA 112(2) TQ</th>
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</thead>
<tbody>
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<td>68954-42-7</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Section 16 Additional Information


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