Safety Data Sheet

Revision Date: 4-14-2020

1. Product and Company Identification
   
   **Product Name**: LX-112  
   **Product Catalog Number(s)**: 21310, 21311, 21312, 21313  
   **Identified Uses**: Laboratory use. Manufacture of substances.  
   **Supplier of the Safety Data Sheet**:
   Ladd Research  
   83 Holly Court  
   Williston, VT 05495  
   **Telephone**: (802) 658-4961  
   **FAX**: (802) 660-8859  
   **Emergency Telephone Number**: +1-703-741-5500 (Chemtrec)

2. Hazards Identification
   
   **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**
   
   **Health Hazards**
   - Acute Toxicity – oral (Category 4)  
   - Skin irritation/corrosion (Category 2)  
   - Hazards other than mentioned above – No data available

   **GHS Label elements, including precautionary statements**

   ![Warning Symbol]

   **Signal Word** | **Warning**
   --- | ---
   H302 | Harmful if swallowed  
   H315 | Causes skin irritation  
   P270 | Do not eat, drink or smoke when using this product  
   P264 | Wash hands thoroughly after handling.  
   P280 | Wear protective gloves, protective clothing and eye protection  
   P301, 330, 331 | If Swallowed – Rinse Mouth. Do NOT induce vomiting.  
   P301, 310 | If Swallowed – Immediately call a physician  
   P302, 353 | If On Skin – Rinse with water.  
   P362, 364 | If On Skin – Take off contaminated clothing and wash it before reuse.  
   P333, 313 | If skin irritation or rash occurs – Get medical attention.  
   P501 | Dispose of contents and container in accordance with local, regional and national regulations.
3. Composition/Information on Ingredients
   Synonyms: Glycerol polyglycidyl ether
   Formula: -
   Molecular Weight: -

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol polyglycidyl ether</td>
<td>25038-04-4</td>
<td>&gt;99%</td>
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4. First Aid Measures
   If inhaled: If breathing is difficult, move patient to the open air. Keep him or her at rest to allow easier breathing.
   In case of skin contact: Wash the skin with flowing water or shower. Wash contaminated clothing before reuse. Call a doctor if you feel unwell. Take off or dispose of all polluted clothes. If skin irritation or rash occurs, seek medical attention.
   In case of eye contact: If applicable, remove contact lenses before irrigating eyes. Irrigate eyes for at least 15 minutes. If the eyes are irritated seek medical attention.
   If swallowed: Rinse mouth thoroughly with cool water. DO NOT induce vomiting. Seek medical attention.

5. Firefighting Measures
   Extinguishing Media: Foam, Carbon dioxide. BCF (where regulations permit). Dry chemical powder. Dry sand.
   Specific Fire Fighting Measures: Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out.
   Special Hazards arising from the substance or mixture: No data available
   Further Information: Wear respiratory protection and chemical protective clothing.

6. Accidental Release Measures
   Personal precautions, protective equipment and emergency procedures: Ventilate enclosed spaces before entering. Isolate the site as a leak area by providing a zone that has an appropriate width in all directions. Keep unauthorized personnel away. Stay upwind. Wear appropriate personal protective equipment and avoid inhalation or contact with skin...
and eyes. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions:** Do not release into the environment being especially careful to divert the material away from streams or storm drains.

**Methods and materials for containment and cleaning up:** All equipment used when handling the product must be grounded. After removal, flush contaminated area thoroughly with water. For small spills, collect into an empty container which can be sealed after absorbing with absorbent material, dry sand, etc.

**For Disposal see section 13**

7. **Handling and Storage**

**Precautions for safe handling:** Do not get into eyes, on skin or on clothing. Do not breathe mist, vapors, spray, dust or fumes. Do not swallow. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Please see Section 10 – Stability and Reactivity.

8. **Exposure Controls / Personal Protection**

**Engineering Controls:** A suitable exhaust system should be available. An eyewash station and a safety shower should be available.

**Eye/Face Protection:** Wear chemical splash goggles, or safety glasses with side shields.

**Skin Protection:** Wear suitable impervious gloves and lab coat or apron.

**Body Protection:** Always wear closed toe shoes when handling chemicals.

**Respiratory Protection:** In the absence of mechanical exhaust wear a full-face respirator with organic vapor cartridges.

9. **Physical and Chemical Properties**

**Appearance:** Light yellow liquid

**Odor:** Nearly odorless

**Boiling Point:** 185°C (at 1.5mm Hg)

**Flash Point:** 209°C (Cleveland Open Cup)

**Specific Gravity:** 1.23 g/ml (at 20°C)

10. **Stability and Reactivity**

**Reactivity:**

**Chemical Reactivity and Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** May polymerize at high temperatures or in presence of
relevant catalysts.

**Conditions to Avoid:** Contact with strong acids, strong alkalis, oxidizers, high-temperature material, sparks, open flame

**Incompatible Materials:** Strong acids and bases. Oxidizers

**Hazardous Decomposition Products:** No data available

11. **Toxicological Information**

   **Acute Toxicity:** Oral LD$_{50}$ (rat) – 1800mg/kg

   **Skin Corrosion/Irritation:** P.I.I. 3/1 (Moderate skin irritation)

   **Serious Eye Damage/Eye Irritation:** No data available

   **Respiratory or Skin Sensitization:** No data available

   **Germ Cell Mutagenicity:** Positive (Ames test/Salmonella TA – 100)

   **Carcinogenicity**

   - **IARC:** No data available
   - **NTP:** No data available
   - **OSHA:** No data available

   **Reproductive Toxicity:** No data available

   **Specific Target Organ Toxicity – Single Exposure:** No data available

   **Specific Target Organ Toxicity – Repeated Exposure:** No data available

   **Aspiration Hazard:** No data available

12. **Ecological Information**

   **Toxicity:** No data available

   **Persistence and Degradability:** No data available

   **Bioaccumulative Potential:** No data available

   **Mobility in Soil:** No data available

   **Other Adverse Effects:**

13. **Disposal Considerations**

   **Waste Treatment Methods**

   - **Product:** Incinerate in small portions with an incinerator or entrust to an industrial waste disposal company approved by your local, state and federal authorities.

   - **Contaminated Packaging:** If possible, clean and recycle. Or perform suitable processing in accordance with regulations. Remove residual contents completely before an empty container is discarded.
14. Transport Information
   DOT (US)
   Not Regulated
   IMDG
   Not Regulated
   IATA
   Not Regulated

15. Regulatory Information
   TSCA – The ingredient in this product is listed on the TSCA inventory.
   California Prop. 65 Components:
      Glycerol Polyglycidyl Ether

16. Other Information
   Not applicable.

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