

# Safety Data Sheet

Revision Date: 6-26-2023

## 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

3 Ewing Place

Essex Junction, VT 05452 USA

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**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**

Symbol(s)



**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.

**Hazards not otherwise classified or not covered by GHS**

Not applicable

**3. Composition/Information on Ingredients**

**Synonyms:** Glycerol polyglycidyl ether

**Formula:** -

**Molecular Weight:** -

Components	CAS #	Concentration
Glycerol polyglycidyl ether	25038-04-4	>99%

**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<sub>50</sub> (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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