

## **MATERIAL SAFETY DATA SHEET**

### 1. Product and Company Identification

Product name	LIQUID EPOXY RESIN
Synonyms	-
Chemical Formula	-
Product Codes	EP 100

### 2. Composition / Information on Ingredients

Ingredient	CAS Number	Percent (by weight)
Alkyl(C12-C14) glycidyl ether	68609-97-2	17-20%
Epoxy Resin	25068-38-6	80-83%

### 3. Hazards Identification

Emergency Overview	--
Adverse Human Health Effects	Cause eye and skin irritation, may cause central nervous system depression
Environmental Effects	--
Physical and Chemical Hazards	--
Specific Hazards	--

### 4. First-Aid Measures

Inhalation	Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	--
Skin Contact	Immediately flush skin with water for at least 15 minutes and Get medical aid immediately
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid if irritation develops or persists .
Protection of First-aiders	Protective clothes and glasses
Notes to Physician	--

### 5. Fire-Fighting Measures

Extinguishing Media	foam, powder, CO2
Fire and Explosion Hazards	--
Special Firefighting Procedures	--
Special Equipment for the	Use a positive-pressure self-contained

Protection of Firefighters	breathing apparatus and full protective clothing for chemicals.
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### 6. Accidental Release Measures

Personal Precautions	Wear adequate personal protective equipment.
Environmental Precautions	Ventilate area
Methods for Cleaning Up	Contain spills with earth, sand, or similar stable, non-combustible material

### 7. Handling and Storage

Handling	Keep material away from sparks, flames, and other ignition sources.
Storage	Store in cool, dry, well-ventilated area

### 8. Exposure Controls / Personal Protection

Engineering Measure	Exhaust directly to the outside. Treatment of exhaust emission to prevent environmental controlling may be required.
Control parameters	-- <ul style="list-style-type: none"> <li>• Limit values: --</li> <li>• Biological Standards: --</li> </ul>
Personal Protective Equipment	Eyeglasses,glove,helmet, mask,safety shower, eye wash fountain. <ul style="list-style-type: none"> <li>• Respiratory Protection: dust mask</li> <li>• Hand Protection: Chemical resistant gloves. (Butyl rubber, Polyvinyl alcohol)</li> <li>• Eye Protection: wear safety goggles</li> <li>• Skin and Body Protection: Wear appropriate protective gloves and clothing to prevent amd minimize contact with skin.</li> </ul>
Specific Hygiene Measures	Wash hand before eating and drinking.

### 9. Physical and Chemical Properties

Physical State	liquid	Form	liquid
Color	Colorless to slight yellow	Odor	Mild aromatic odor
pH	NA	Boiling Point/Boiling Range	NA
Decomposition Temperature	NA	Flash Point & Method Used	180°C (CLOSED CUP)
Auto Ignition Temperature	NA	Explosion Properties	No information available
Vapor pressure	ND	Vapor density	NA
Density	1.12-1.16( H2O=1)	Solubility	Insoluble

### 10. Stability and Reactivity

Stability	Stable under normal conditions.
Possible Hazardous Reactions Occurring under Specific Conditions	NA
Conditions to Avoid	Keep away from sources of ignition, heat, high temperature.
Materials to Avoid	Strong oxidizing agents, strong alkalies and strong acids.
Hazardous Decomposition Products	--

### 11. Toxicological Information

Acute toxicity	ND
Local effects	--
Sensitization	--
Chronic Toxicity or Long Term Toxicity	--
Specific effects	No Data Available

### 12. Ecological Information

Possible Environmental Effects, Behavior and Fate	Leakage will cause environment pollution
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### 13. Disposal Considerations

Recommended Methods for Safe and Environmentally Preferred Disposal	<ol style="list-style-type: none"> <li>1. Disposal by controlled incineration in a properly equipped facility may be acceptable.</li> <li>2. Review federal, provincial and local government requirements prior to disposal.</li> </ol>
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### 14. Transport Information

International regulations	--
UN classification number	--
Specific Precautionary Transport Measures and Conditions	--

### 15. Regulatory Information

Applicable Regulations	--
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### 16. Other Information

NFPA Ratings	--
Label Hazard Warning	--
Literature References	<ol style="list-style-type: none"> <li>1. NIOSH/OSHA, Occupational Health Guidelines for Chemical Hazards, 1981</li> <li>2. Material Safety Data Sheet (of the raw material manufacture )</li> </ol>

ALL OF THE MSDS DATA ARE FOR REFERENCE ONLY. THE USERS SHOULD JUDGE THE USABILITY BY THEMSELVES