

## Section 1. Identification

**Product Name:** CIE 100 EPOXY 100 A

**Effective Date:** 29 October 2023

**Replaces:** 14 March 2017

**Manufacturer Name:** Silpro, LLC

**Address:** 2 New England Way

Ayer, MA 01432-1514

**24/7 EMERGENCY PHONE:** INFOTRAC 800-535-5053 Call collect internationally 352-323-3500.

**Refer to ID# 84653**

**24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center.

## Section 2. Hazard(s) Identification

**Emergency overview:** Clear liquid with slight odor. CIE 100 EPOXY A™ may cause serious eye and skin irritation. Inhalation may cause respiratory irritation and ingestion may cause gastric distress.



**GHS Pictograms:**

**GHS Signal Word:** DANGER

**POTENTIAL HEALTH EFFECTS:**

**CODE OF HAZARD STATEMENTS:**

Physical hazards

None.

Health Hazards

Harmful if swallowed.

Maybe harmful in contact with skin.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May be harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Environmental hazards

Toxic to aquatic life with long lasting effects.

**CODE OF PRECAUTIONARY STATEMENTS:**

General

Keep out of reach of children.

Read label before use.

Prevention

Keep only in original container.

Do not get in eyes, on skin or on clothing.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER or doctor/physician if you feel unwell.

DO NOT induce vomiting.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Wash with plenty of soap and water.

Take off contaminated clothing and wash before reuse.

Storage

Store in a dry place.

Store in a well-ventilated area.

**ROUTES OF ENTRY:** Eye contact, skin adsorption, ingestion and inhalation.

**CARCINOGENICITY:** None.

### Section 3. Composition/Information on Ingredients

Ingredients			
Component	CAS #	EINECS #	Percent
Bisphenol A epichlorhydrin polymer	25068-38-6	500-033-5	60-90
Alkyl phenol blocked polyisocyanate	102900-03-8.	NE	10-40

### Section 4. First aid Measures

**Eye Contact:** Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. If irritation persists, contact a physician.

**Inhalation:** Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

**Ingestion:** If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person, have person lean forward to reduce the risk of aspiration.

### Section 5. Fire Fighting Measures

**Flash Point:** >378°F (>192°C)

**Flammability Limits:** LEL: NE UEL: NE

**Fire Fighting Media:** Use dry powder and carbon dioxide.

**Special Fire Fighting Procedures:** First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

### Section 6. Accidental Release Measures

**Use personal protective equipment, see section 8.**

**Clean-up Procedures:** Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill for disposal.

**Spills and Leaks:** Dispose in accordance to local, state or federal regulations.

### Section 7. Handling and Storage

**Handling:** Use with adequate ventilation. Do not get into eyes, on skin and on clothing. Wash thoroughly after handling.

**Storage:** Store in original labeled container. Keep in cool and dry areas.

### Section 8. Exposure Controls/Personal Protection

**Introductory Remarks:** Consider the potential hazards of this product outlined in section 2. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

**Personal Protection:**

**Eyes:** Wear safety goggles or safety glasses to prevent eye contact.

**Body:** Long sleeve shirts, long pants, socks, rubber boots and chemical-resistant gloves.

**Hands:** Neoprene chemical-resistant gloves.

**Respiratory:** Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

### Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	Blue liquid with slight odor	<b>Flash point</b>	>378°F (>192°C)
<b>Solubility</b>	Complete in water	<b>Specific gravity (water=1)</b>	1.14 @68°F (20°C)

### Section 10. Stability and Reactivity

**Chemical Stability:** Considered stable under normal ambient temperatures.

**Hazardous Decomposition:** If complete combustion, oxides of nitrogen and other organic substances.

**Hazardous Polymerization:** Will not occur

**Incompatibility - Materials to Avoid:** No dangerous decomposition products know.

### Section 11. Toxicological Information

The product is toxic to fish.

**Acute Eye Irritation:** Causes serious eye irritation.

**Acute Skin Irritation:** May cause an allergic skin reaction.

**Acute Dermal Toxicity:** Irritant to skin and mucous membranes.

**Carcinogenic Effects:** None.

### Section 12. Ecological Information

Toxic to fish, plankton and aquatic organisms. Keep out of ground water or sewage systems.

**Ecotoxicity:** The toxicity of this product has not been determined.

**Environmental Fate:** This product's environmental fate has not been determined.

### Section 13. Disposal Considerations

**Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

**Container Handling and Disposal:** All containers should be disposed per local, state and Federal regulations.

### Section 14. Transport Information

**Proper Shipping Description:** Not regulated if non-bulk packaging

Bulk (> 119 gallons, 450 liters)

UN3082, Environmentally hazardous substance liquid, N.O.S., (Epoxy resins), 9, III Marine Pollutant (Epoxy resins)

**IATA: For cargo air craft only:**

UN3082, Environmentally hazardous substance liquid, N.O.S., (Epoxy resins), 9, III Marine Pollutant (Epoxy resins)

**IMO:** Not regulated.

UN3082, Environmentally hazardous substance liquid, N.O.S., (Epoxy resins), 9, III Marine Pollutant (Epoxy resins)

### Section 15. Regulatory Information

**EPCRA 311/312 Categories:**

Immediate (Acute) Health Effects:	Yes
Delayed (Chronic) Health Effects:	Yes
Fire Hazard:	No
Sudden Release of Pressure	No
Reactivity:	No

**Right to know classification:** Ingredients are listed in MA, NY and PA.

**TSCA:** Alkyl phenol blocked polyisocyanate is listed on the active TSCA list.

#### Section 313: Epoxy resins

**Prop. 65 (CA):** None.

Ingredients are listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.

#### Abbreviations:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC <sub>50</sub>	Effective Dose	LC <sub>50</sub>	Lethal Inhalation Concentration
LD <sub>50</sub>	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To
CNS	Central Nervous System	CI	China



Safety Data Sheet

CIE 100 EPOXY A™

- |        |  |       |   |
|--------|--|-------|---|
| DSL    | Canada   | ECL   | Korean Existing Chemicals List          |
| EEC    | European Economic Commission   | ENCS  | Japanese Existing and New Chemical List |
| EU     | European Union   | MAC   | Netherlands                             |
| MAK    | Germany  | MITI  | Japan                                   |
| PICCS  | Philippines  | SWISS | Gifftliste 1                            |
| UK     | United Kingdom   | USA   | United States                           |
| VOC    | Volatile organic content   |       |   |
| ACGIH  | American Conference of Government Industrial Hygienists  |       |   |
| SARA   | Superfund Amendments and Reauthorization Act   |       |   |
| AICS   | Australian Inventory of Chemical Substances  |       |   |
| IARC   | International Agency for Research on Cancer  |       |   |
| Taiwan | List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086 |       |   |

**Section 16. Other Information**

**Hazardous Material Information (HMIS)**

**National Fire Protection Association (NFPA)**

Health	1	1	Health
Fire	1	1	Fire
Reactivity	0	0	Instability
Personal Protection	E		NA

Health                    4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard  
 Fire                      4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn  
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

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