

Section 1. Identification

Product Name: CIE 100 EPOXY 100 Part A

Effective Date: 14 March 2017

Replaces: New

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

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

Section 2. Hazard(s) Identification

Emergency overview: Clear liquid with slight odour. 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

H302, Harmful if swallowed.

H313, Maybe harmful in contact with skin.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H333, May be harmful if inhaled.

H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Environmental hazards

H411, Toxic to aquatic life with long lasting effects.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101, Keep out of reach of children.

P103, Read label before use.

Prevention

P234, Keep only in original container.

P262 Do not get in eyes, on skin or on clothing.

P264, Wash thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

P280, Wear protective gloves/protective clothing/eye protection/face protection.

Response

P312, Call a POISON CENTER or doctor/physician if you feel unwell.

P331, DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P402, Store in a dry place.

P403, 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

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.

Other: None.

Section 9. Physical and Chemical Properties

Odour/Colour	Blue liquid with slight odour	Flash point	>378°F (>192°C)
Solubility	Complete in water	Specific gravity (water=1)	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)

Use packing instruction 914. The net quantity per package is 118.8 gals (450L)

IMO: Not regulated.

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

Use packing instructions P001 and LP01.

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



European Community Pictogram: Irritant

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

TSCA: None of the ingredients are listed.

Section 313: Epoxy resins

Prop. 65 (CA): Cancer causing, birth defects and reproductive harm.

Reportable Quantity (RQ): 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 ₅₀	Effective Dose	LC ₅₀	Lethal Inhalation Concentration
LD ₅₀	Lethal Dose	CAS	Chemical Abstract Service Number



Safety Data Sheet

CIE 100 EPOXY A™

- LEL Lower explosive limit
- NDA No Data Available
- NE None established
- ≤ Less Than or Equal To
- CNS Central Nervous System
- DSL Canada
- EEC European Economic Commission
- EU European Union
- MAK Germany
- PICCS Philippines
- UK United Kingdom
- 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
- UEP Upper explosive limit
- ND Not determined
- NA Not Applicable
- ≥ Greater Than or Equal To
- CI China
- ECL Korean Existing Chemicals List
- ENCS Japanese Existing and New Chemical List
- MAC Netherlands
- MITI Japan
- SWISS Giftliste 1
- USA United States

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

Prepared by: Dennis E. Belau

Reviewed by: Regulatory department

Disclaimer:

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Silpro, LLC (company) knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, Recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.