



Material Safety Data Sheet

1. Product & Company Identification

Company Name: Silhouette America, Inc

Address: 618 North 2000 West, Lindon UT 84042

Product Contact: (385)352-2090

Product Name: Epoxy Resin

Date Revised: 08/13/2018

Version: 1

Product Code: EPOXY-SET, KIT-DOMING

Product Use: Dual formula resin that when mixed hardens to create a domed clear epoxy resin effect on the project surface.

2. Composition/Information on Ingredients

Ingredient Name	CAS #	Contents (%)
A Resin - Polyepichlorohydrin	24969-06-0	40%
A Resin - Other additives	-	5%
B Resin - Isophorondiamine	2855-13-2	40%
B Resin - Other additives	-	5%

3. Hazards Identification

Health Hazards: Does not present any particular hazard under normal conditions of use.

Skin Contact:	May cause minor skin irritation.
Skin Absorption:	Not a likely route of exposure. No known hazard.
Eye Contace:	Not a likely route of exposure. However, direct contact with eyes may be irritating and cause redness and/or tearing.
Ingestion:	Not a likely route of exposure. However, if product ingested, may cause gastrointestinal irritation, nausea, vomiting, and/or diarrhea.
Inhalation:	Not a likely route of exposure. Product not inhalable. However, substances produced from combustion may cause irritation to eyes, skin, and/or respiratory tract.

HMIS Hazard Level:

Health:	1 - Irritation or minor reversible injury possible
Flammability:	1 - Must be preheated before ignition will occur (flash point above 200°F)
Physical Hazard:	0 - Material is normally stable
Personal Protection:	B - Safety glasses & gloves

4. First Aid Measures

Emergency Overview: This product is neither hazardous nor toxic. However, the following describes recommended first aid treatments to take in cases of potential incorrect handling of the product.

Skin Contact:	Wash skin thoroughly with soap and water. Do NOT use solvents or thinners.
Skin Absorption:	Not a likely route of exposure.
Eye Contace:	Flush eyes with water for 15 minutes. Seek immediate medical advice/attention.
Ingestion:	If accidentally swallowed, do not induce vomiting. Obtain immediate medical advice/attention.
Inhalation:	Product not inhalable. If substances produced from combustion are inhaled, move to fresh air and seek medical aid if necessary.

5. Fire Fighting Measures

Flammable: This product can be ignited.

Means of Extinction: Foam, CO₂, Dry Chemical

Hazardous combustion Products: Nitrogen, Carbon monoxide, Carbon dioxide

6. Accidental Release Measures

Leak and Spill Procedure: Small spills - Mop up, wipe up, or soak up; Large spills - Remove all sources of ignition. Wear protective equipment. Impound spilled material and control further spillage. Absorb spill with dry sand, absorbent mat, or similar. Then recover into containers. Flush residual spill (area) with copious amounts of water.

7. Handling and Storage

Handling Procedure: Keep away from all possible sources of ignition. Provide adequate ventilation. Avoid contact with eyes and skin

Storage Requirements: Store in a cool, dry environment. Keep away from all possible sources of ignition. Do not store near strong oxidizing substances. Keep containers tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage

8. Exposure Control/Personal Protection

Exposure Limits: N/A

Engineering Controls: Use with adequate ventilation

Protective Equipment: Skin protection - Chemical resistant gloves recommended, Eye protection - Safety glasses or goggles recommended

9. Physical & Chemical Properties

Physical State: Liquid

Appearance: Colorless, transparent

Odor: None

Boiling Point: A Resin: No data ; B Resin: 247°C

Freezing Point: No data

Melting Point: No data

Flash Point: A Resin: >105°C ; B Resin: >110°C

PH Value: No data

Vapor Pressure(mmHg): No data

Specific Gravity: A Resin: 1.36 g/mL at 25 ; C(lit.); B Resin: 0.924 g/mL (20°C)

Evaporation Rate(Buty/Acetate=1): No data

Solubility in Water: Not miscible (Partly or miscible with solvent content)

10. Stability & Reactivity

Stability: This product is considered a stable material under normal and anticipated storage.

incompatibility w/Other Substance: Strong oxidizing agents, Strong acids, Bases (Hydrolyzed by bases)

Reactivity: Stable under normal condition of storage and use.

Conditions to Avoid: Fire/Flames/Sparks/Other sources of ignition, Storage temperatures above 90° F, Poorly ventilated areas

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Black smoke may be generated by thermal decomposition and/or ignition

11. Toxicological Information

Health Hazards: None under conditions of normal expected use. However, repeated or prolonged contact may cause removal of natural fat from skin resulting in non-allergic contact dermatitis.

Carcinogenicity: This product is not listed as a carcinogen by NTP, IARC, or OSHA.

Irritancy of Product: None under conditions of normal expected use.

12. Ecological Information

Eco-toxicity: Noxious for water inhabitants. This product should not be allowed to enter drains or watercourses in order to avoid pollution of water bodies.

Biodegradability: No data available.

13. Disposal Considerations

Disposal Method: This product is not regarded as hazardous waste. Dispose of materials in accordance with applicable local, state, and federal regulations.

14. Transport Information

Special Shipping Information: Not classified according to transport regulations for dangerous goods: not subject to IATA DGR.

Safety Measures/Conditions of Transport: Avoid product containers from getting wet to prevent breakdown in packaging. Keep away from sources of ignition.

15. Regulatory Information

U.S. Regulations

TSCA Status:All components of this product are listed on the US TSCA Inventory.

California Proposition 65: This product does not contain chemicals regulated under California Proposition 65.

SARA Title III (311, 312) Hazard Class: None.

SARA Title III (302) Extremely Hazardous Substances List: None.

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements.

VOC Regulation: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Canadian Regulations

Canadian DSL/NDSL Inventory Status: All components of this product are listed on the DSL Inventory.

CEPA Priorities Substance Lists: The components of this product are not on the CEPA Priorities Substances Lists.

European Union Information

Dangerous Substances Directive(67/548/CEE) Labeling: This product does not meet the definition of a hazardous material as defined by the European Union Council Directive 67/548/CEE.

16. Other Information

The information provided in this MSDS has been obtained from sources thought to be reliable. All recommendations and statements contained in this MSDS have been compiled from sources believed to represent the most currently available information when the MSDS was prepared.

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