

Barristo Enterprises, Inc., dba SureHold®

SAFETY DATA SHEET

90 Second Epoxy (Hardener)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Name 90 Second Epoxy Hardener

Part Number SH-335

Company Barristo Enterprises, Inc. dba SureHold
3717 N Ravenswood Avenue, Suite 243
Chicago, IL 60613
info@surehold.com
www.surehold.com

Telephone + 773-472-8592; Toll Free 800-881-4495

Fax + 773-525-1750

Emergency telephone number 800-881-4495

2. HAZARDS IDENTIFICATION

Main hazards Harmful if swallowed. Irritating to eyes, respiratory system and skin. Contact with product at elevated temperatures may cause thermal burns. KEEP OUT OF REACH OF CHILDREN. May cause allergic skin reaction with prolonged contact. May aggravate pre-existing skin/eye/lung conditions. May be harmful if swallowed.

Primary routes of entry Inhalation, Skin, Eyes

Sign/Symptoms of Exposure Inhalation – slight irritation with poor ventilation. Skin – Irritating to skin. May cause allergic skin reaction with prolonged contact. Eyes – Weeping, redness. Ingestion – Irritation of mucous membranes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Weight	CAS	ACGIH;TLV-TWA	OSHA PEL
Proprietary Mercaptan Polymer	80 – 100%	Proprietary	NA	NA

4. FIRST AID MEASURES

Skin contact Remove contaminated clothing and wash skin with soap and water. Get medical attention if symptoms persist (contaminated leather articles; i.e. shoes, should be disposed of as contaminated waste). NOTE: hot product burns require immediate medical attention.

Eye contact Flush eyes with large amounts of water for 15 minutes while holding eyes open. Get medical attention immediately.

Inhalation Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion Do not induce vomiting. Call a physical or poison control center immediately. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Extinguishing media Water fog, foam, dry chemical or carbon dioxide.

Flash Point °F (°C) >200°F (>93°C)

Special Fire-Fighting Procedures Do not enter confined fire space without full bunker gear (helmet/face shield, bunker coat, gloves and rubber boots). Use positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire-exposed containers with water.

Hazardous Products of Combustion	Carbon monoxide, carbon dioxide, hydrogen sulfide and oxides of sulfur.
Unusual Fire/Explosion Hazards	DO NOT BREATHE FUMES. Unidentified fumes and vapors may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Clean-up methods	Use cautious judgment when cleaning up spills. Respirator and protective equipment as appropriate. Dike and contain material. Soak up residue with absorbent (clay, sand) material and dispose of properly.
------------------	---

7. HANDLING AND STORAGE

Handling	Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist, gas). Keep container closed when not in use. Do not take internally.
Storage	Store in a cool, dry area away from open flames, high temperatures and incompatible materials. Protect from sunlight. Ambient room temperature storage (70°F/21°C). Avoid freezing temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	General; local exhaust ventilation is necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
Occupational exposure controls	Keep away from food, drink and animal feeding stuffs.
Respiratory protection	Well-ventilated area. An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits
Skin protection	Neoprene or nitrile gloves recommended.
Eye protection	Wear safety glasses or goggles with side shields to protect against exposure.
Protective equipment	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear suitable protective equipment. Protect clothing from contact with the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light Yellow Thick Liquid.
Odor	Mild sulfur (rotten eggs).
Boiling point	Not determined
pH	
Solubility in Water	Slightly soluble.
Specific Gravity (H ₂ O=1)	1.12
VOC (Wt.%)	0 g/L
Vapor Pressure (mm Hg)	Not determined
Vapor Density (Air=1)	Not determined
Evaporation Rate	Not determined (butyl acetate = 1)
Melting Point	Not determined

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Polymerization	May not occur
Incompatibilities	Strong oxidants, amines especially when hot.
Conditions to avoid	Keep away from open flames and high temperatures. Do not store near large masses of epoxy resins.
Hazardous Products of Combustion	Carbon monoxide, carbon dioxide, hydrogen sulfide and oxides of sulfur.

11. TOXICOLOGICAL INFORMATION

May cause allergic skin reaction with prolonged contact. May aggravate pre-existing skin, eye and/or lung conditions. May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Do not flush into sewer.

13. DISPOSAL CONSIDERATIONS

General information Cure by mixing with equal portion of paired component for non-hazardous solid waste disposal. Do not empty into drains, dispose of unreacted material and container at hazardous or special waste collection point. Dispose of in compliance with all federal, state, local and national regulations.

14. TRANSPORT INFORMATION**DOT (49CFR 172)****US Department of Transportation – DOT – 49 CFR (Ground)**

DOT Shipping Name Not regulated

Hazard Class None

UN/ID Number None

IATA (Air)

Proper Shipping Name Not regulated

Class or Division None

UN/ID Number None

IMDG (Vessel)

Proper Shipping Name Not regulated

Hazard Class None

UN Number None

15. REGULATORY INFORMATION

Sara 313 Information None known.

California Proposition 65 No California Prop 65 chemicals are known to be present, or are intentionally added in the manufacture of this product

TSCA Inventory Status All components of this product are listed (or exempt) on the EPA TSCA Inventory.

16. OTHER INFORMATION

Estimated NFPA Rating HEALTH 2, FLAMMABILITY 1, REACTIVITY 1

Estimated HMIS HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 1

Classification

(NFPA is a registered trademark of the National Fire Protection Association)

(HMIS is a registered trademark of the National Paint and Coatings Association)

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Barristo Enterprises, Inc., dba SureHold®**SAFETY DATA SHEET****90 Second Epoxy (Resin)****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY**

Product Name	90 Second Epoxy Resin
Part Number	SH-335
Company	Barristo Enterprises, Inc. dba SureHold 3717 N Ravenswood Avenue, Suite 243 Chicago, IL 60613 info@surehold.com www.surehold.com
Telephone	+ 773-472-8592; Toll Free 800-881-4495
Fax	+ 773-525-1750
Emergency telephone number	800-881-4495

2. HAZARDS IDENTIFICATION

Main hazards	May be irritating to eyes and skin with direct contact. May be a skin sensitizer. Contact with product at elevated temperatures may cause thermal burns. KEEP OUT OF REACH OF CHILDREN.
Primary routes of entry	Skin and eyes.
Signs/Symptoms of Exposure	Inhalation – Slight irritation with poor ventilation. Skin – Irritating to skin. May cause allergic skin reaction with prolonged contact. Eyes – weeping, redness. Ingestion – Low order of oral toxicity notes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Weight	CAS	ACGIH;TLV-TWA	OSHA PEL
Epoxy resin	60 – 100%	Proprietary	Not determined	Not determined

4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing and wash skin with soap and water. Get medical attention if symptoms persist (contaminated leather articles; i.e. shoes, should be disposed of as contaminated waste). NOTE: hot product burns require immediate medical attention.
Eye contact	Flush eyes with large amounts of water for 15 minutes while holding eyes open. Get medical attention immediately.
Inhalation	Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.
Ingestion	Do not induce vomiting. In general, no treatment, unless a large amount is ingested; however, get medical advice. NOTE TO PHYSICIAN: Emesis induction is normally not necessary in high viscosity, low volatility products, e.g. neat epoxy resins.

5. FIRE FIGHTING MEASURES

Extinguishing media	Water fog, foam, dry chemical or carbon dioxide.
Flash Point °F (°C)	>200°F (>93°C)
Special Fire-Fighting Procedures	Material will not burn unless preheated. Do not enter confined space without full bunker gear (helmet/face shield, bunker coat, gloves and rubber boots). Use positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire-exposed containers with water.
Hazardous Products of Combustion	Carbon monoxide, aldehydes, acids & other organic substances may be formed during combustion (>500°F) temperature degradation.
Unusual Fire/Explosion Hazards	Heating resin above 300°F in the presence of air may cause slow oxidative decomposition. Above 500°F, polymerization may occur. Some curing agents, e.g. aliphatic amines can produce exothermic reactions, which in large masses can cause runaway polymerization and charring of reactants. DO NOT BREATHE FUMES. Unidentified fumes and vapors may be harmful

6. ACCIDENTAL RELEASE MEASURES

Clean-up methods	Product may burn although not readily ignitable. Use cautious judgment when cleaning up large spills. Respirator and protective equipment as appropriate. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.
------------------	---

7. HANDLING AND STORAGE

Handling	Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist, gas). Keep container closed when not in use.
Storage	Store in a cool, dry place away from open flames, high temperatures and incompatible materials. Protect from sunlight. Ambient room temperature storage (70°F/21°C). Avoid freezing temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	General; local exhaust ventilation is necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
Occupational exposure controls	Keep away from food, drink and animal feeding stuffs.
Respiratory protection	Well-ventilated area. An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits
Skin protection	Neoprene or nitrile gloves recommended.
Eye protection	Wear safety glasses or goggles with side shields to protect against exposure.
Protective equipment	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear suitable protective equipment. Protect clothing from contact with the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light Yellow Thick Liquid.
Odor	Typical epoxy resin.
Boiling point	>225°F (>107°C)
pH	
Solubility in Water	Negligible
Specific Gravity	1.1
VOC (Wt.%)	0 g/L
Vapor Pressure (mm Hg)	Not determined.
Vapor Density (Air=1)	>1
Evaporation Rate	<1 (butyl acetate = 1)
Melting Point	Not determined

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Polymerization	May not occur
Incompatibilities	Strong oxidizing agents, strong Lewis or mineral acids, strong, strong mineral and organic bases especially primary and secondary aliphatic amines.
Conditions to avoid	Excessive heat.
Hazardous Products of Combustion	Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion (>500°F) temperature degradation.

11. TOXICOLOGICAL INFORMATION

Low order of oral toxicity noted. Unlikely to be an inhalation hazard due to low volatility.

12. ECOLOGICAL INFORMATION

May cause long-term adverse effects in the aquatic environment. Do not flush to sewer.

13. DISPOSAL CONSIDERATIONS

General information	Cure by mixing with equal portion of paired component for non-hazardous solid waste disposal. Do not empty into drains, dispose of unreacted material and container at hazardous or special waste collection point. Dispose of in compliance with all federal, state, local and national regulations.
---------------------	---

14. TRANSPORT INFORMATION**DOT (49CFR 172)****US Department of Transportation – DOT – 49 CFR (Ground)**

DOT Shipping Name	Not regulated
Hazard Class	None
UN/ID Number	None

IATA (Air)

Proper Shipping Name	Not regulated
Class or Division	None
UN/ID Number	None

IMDG (Vessel)

Proper Shipping Name	Not regulated
Hazard Class	None
UN Number	None

15. REGULATORY INFORMATION

Sara 313 Information	None
California Proposition 65	No California Proposition 65 chemicals are known to be present, or are intentionally added in the manufacture of this product.
TSCA Inventory Status	All components of this product are listed (or exempt) on the EPA TSCA Inventory.

16. OTHER INFORMATION

Estimated NFPA Rating	HEALTH 2, FLAMMABILITY 1, REACTIVITY 0
Estimated HMIS Classification	HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0
(NFPA is a registered trademark of the National Fire Protection Association)	
(HMIS is a registered trademark of the National Paint and Coatings Association)	

SUREHOLD® 90 Second Epoxy, Part No. SH-335

Revision 2
Revision Date 01-Oct-2014

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.