



# MATERIALS SAFETY DATA SHEET

## FOR CHEMICAL EMERGENCY

During Business Hours: (800) 966-3458  
Outside Business Hours: (800) 420-7186

### SECTION I - IDENTIFICATION OF PRODUCT

**PRODUCT NAME:** GORILLA GLUE Syringe Epoxy Hardener  
**SYNONYM/CROSS REFERENCE:** Epoxy Hardener  
**SCHEDULE B NUMBER:** 3506.91.0000

**DISTRIBUTOR:** The Gorilla Glue Company  
4550 Red Bank Expressway  
Cincinnati, OH 45227  
Tel. (513) 271-3300  
Fax (513) 527-3742  
www.gorillatough.com

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	WGT%	CAS #	TLV/PEL
Mercaptan Polymer	50-60%	Supplier Trade Secret	N/E
Tertiary Amine	5-15%	Supplier Trade Secret	N/E
Triethylene Tetramine (TETA)	<3%	112-24-3	N/E
Polyamide Resin	10-20%	Supplier Trade Secret	N/E
Benzyl Alcohol	1-5%	100-51-6	N/E
Amorphous Silica	1-5%	7631-86-9	OSHA PEL: 6 mg/m <sup>3</sup> ACGIH TWA: 10 mg/m <sup>3</sup> Respirable 3 mg/m <sup>3</sup>
Aliphatic Amine	1-10%	Supplier Trade Secret	N/E

### SECTION III - PHYSICAL DATA

**APPEARANCE:** Clear to Amber Viscous Liquid  
**SPECIFIC GRAVITY:** 1.03  
**VAPOR PRESSURE (mmHG):** N/A  
**BOILING POINT:** N/A  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE (Ethyl Ether = 1):** Slower than Ethyl Ether  
**VOLATILES BY WEIGHT:** Nil  
**SOLUBILITY IN WATER:** Not Soluble  
**VOC:** Grams/Liter = <5  
Lbs/Gallon = <0.05

## SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT:** >200°F/93 C Seta Flash Closed cup

**LOWER FLAMMABLE LIMIT %:** N/E

**UPPER FLAMMABLE LIMIT %:** N/E

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

## SECTION V - HEALTH HAZARD/TOXICOLOGICAL PROPERTIES

### OVEREXPOSURE EFFECTS:

#### ACUTE EFFECTS:

**EYES:** Contact with eyes can cause severe irritation, redness, tearing, blurred vision, and/or swelling. May cause eye damage.

**SKIN:** Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**CHRONIC EFFECTS:** Overexposure to this material has apparently been known to cause the following effects in lab animals: Eye damage, skin damage.

**CARCINOGEN:** YES \_\_\_\_\_ NO   X  

**TERATOGEN:** YES \_\_\_\_\_ NO   X  

**MUTAGEN:** YES \_\_\_\_\_ NO   X  

#### FIRST AID:

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, sparks, heat, electrical and static discharge.

**INCOMPATIBILITY MATERIALS TO AVOID:** Strong acids, alkalis, oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and Carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION VII - SPILL AND DISPOSAL PROCEDURE

**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and federal regulations.

## SECTION VIII - PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

**PROTECTIVE GLOVES:** To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin

**EYE PROTECTION:** Safety Glasses or goggles with splash guards or side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

## **SECTION IX - HANDLING AND STORAGE PRECAUTIONS**

**STORAGE AND HANDLING:** Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis and oxidizers.

## **SECTION X - ADDITIONAL INFORMATION**

**SHIPPING INFORMATION:** Please comply with DOT regulations in USA

HMIS RATING:	Health	2	4 = Extreme
	Fire	1	3 = High
	Reactivity	1	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

## **CALIFORNIA PROPOSITION 65:**

Does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be present in this product.

## **SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CHEMICAL NAME	CAS	% BY WGT
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Not applicable

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS CHEMICAL

## **ABBREVIATIONS**

<b>IARC</b>	= International Agency for Research on Cancer
<b>ACGIH</b>	= American Conference of Governmental Industrial Hygienists
<b>NIOSH</b>	= National Institute of Occupational Safety and Health
<b>TLV</b>	= Threshold Limit Value
<b>PEL</b>	= Permissible Emission Level
<b>DOT</b>	= Department of Transportation
<b>NTP</b>	= National Toxicology Program
<b>N/AV</b>	= Not Available
<b>N/AP</b>	= Not Applicable
<b>N/E</b>	= Not Established
<b>N/D</b>	= Not Determined

**PREPARED BY:** The Gorilla Glue Company  
4550 red Bank Expressway  
Cincinnati, OH 45227  
Tel (513) 271-3300

**DATE REVISED:** NEW November 2008

**REVISION:** n/a

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.



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During Business Hours: (800) 966-3458  
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### SECTION I - IDENTIFICATION OF PRODUCT

**PRODUCT NAME:** GORILLA GLUE Syringe Epoxy Resin  
**SYNONYM/CROSS REFERENCE:** Resin Solution  
**SCHEDULE B NUMBER:** 3506.91.0000-3

**DISTRIBUTOR:** The Gorilla Glue Company  
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### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	WGT%	CAS #	TLV/PEL
Epoxy Resin	80-90%	25068-38-6	N/E
Modified Epoxy Resin	5-15%	Supplier Trade Secret	N/E
Alkyl Glycidyl Ether	5-15%	68609-97-2	N/E

### SECTION III - PHYSICAL DATA

**APPEARANCE:** Clear viscous liquid  
**SPECIFIC GRAVITY:** 1.14  
**VAPOR PRESSURE (mmHG):** <1  
**BOILING POINT:** N/A  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE (Ethyl Ether = 1):** Slower than Ethyl Ether  
**VOLATILES BY VOLUME:** Nil  
**SOLUBILITY IN WATER:** Nil  
**VOC:** Grams/Liter = Nil  
Lbs/Gallon = Nil

### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT:** >200°F Seta Flash Closed cup  
**LOWER FLAMMABLE LIMIT %:** N/E  
**UPPER FLAMMABLE LIMIT %:** N/E  
**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam  
**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

### SECTION V - HEALTH HAZARD/TOXICOLOGICAL PROPERTIES

#### OVEREXPOSURE EFFECTS:

#### ACUTE EFFECTS:

**EYES:** Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN:** Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

#### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals:

Skin sensitization, respiratory system irritation.

**CARCINOGEN:** YES \_\_\_\_\_ NO   X  

**TERATOGEN:** YES \_\_\_\_\_ NO   X  

**MUTAGEN:** YES \_\_\_\_\_ NO   X  

#### **FIRST AID:**

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

### **SECTION V I - REACTIVITY DATA**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, sparks, heat, electrical and static discharge.

**INCOMPATIBILITY MATERIALS TO AVOID:** Strong acids, alkalis, oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and Carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

### **SECTION VII - SPILL AND DISPOSAL PROCEDURE**

**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and federal regulations.

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### **SECTION IX - HANDLING AND STORAGE PRECAUTIONS**

**STORAGE AND HANDLING:** Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis and oxidizers.

**DO NOT FLAME CUT, WELD OR MELT EMPTY CONTAINERS**

### **SECTION X - ADDITIONAL INFORMATION**

**SHIPPING INFORMATION:** Please comply with DOT regulations in USA

**HMIS RATING:** Health 2 4 = Extreme  
Fire 1 3 = High

Reactivity 0 2 = Moderate  
1 = Slight  
0 = Insignificant

Personal Protection - See Section VIII

### **CALIFORNIA PROPOSITION 65:**

Trace amounts of epichlorohydrin, a chemical known to the State of California to cause cancer, is present in this product. However, given the low level and application of this product, typical uses do not constitute a significant risk under the standard.

### **SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<b>CHEMICAL NAME</b>	<b>CAS</b>	<b>% BY WGT</b>
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Not applicable

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### **ABBREVIATIONS**

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4550 Red bank Expressway  
Cincinnati, OH 45227

Telephone #: (513) 271-3300  
Fax #: (513) 537-3742

**DATE REVIEWED:** November 2008

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**REVISION:** n/a

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