



# SAFETY DATA SHEET – Gorilla Epoxy Hardener

Date Revised: May 31, 2015 1<sup>st</sup> Edition

## FOR CHEMICAL EMERGENCY:

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

## 1. IDENTIFICATION OF THE PRODUCT

<b>Product Name</b>	Gorilla Epoxy Hardener
<b>Use</b>	Epoxy Hardener
<b>Distributor</b>	The Gorilla Glue Company 4550 Red Bank Expressway Cincinnati, OH 45227 Tel: (513) 271-3300 Fax: (513) 527-3742
<b>Emergency Telephone Number</b>	1-800-420-7186 (Prosar)

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Acute toxicity (oral):	Category 4
Acute toxicity (dermal):	Category 4
Eye Damage:	Category 1
Skin Irritant:	Category 2
Reproductive toxicity:	Category 2
Skin sensitization:	Category 1

### GHS Labeling



Hazardous Symbols:

Signal Word: Danger

Hazardous Statements: Harmful if swallowed or in contact with skin.

Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

Precautionary Statements

Prevention: Avoid breathing mist, vapors or spray.

Wash skin and face thoroughly after handling.

Wear protective gloves, protective clothing and eye protection.

Response: IF SWALLOWED: Call a poison center or doctor if you feel unwell.



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IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a doctor or emergency medical facility if you feel unwell.

Storage: Store in a well-ventilated place. Store locked up.  
Disposal: Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Concentration
Isophorone diamine	2855-13-2	7-13%
Bisphenol A	80-05-7	0.1-1%
Diethylenetriamine	111-40-0	0.1-1%
Tetraethylenepentamine	112-57-2	0.1-1%

### 4. FIRST AID MEASURES

- Eyes** Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention immediately.
- Skin** Remove contaminated clothes immediately. Wash skin with plenty of water and soap.. Wash contaminated clothing before reuse. If you feel unwell, seek medical attention.
- Ingestion** Product is not intended to be ingested or eaten. Do not induce vomiting. Call a doctor, ambulance for assistance immediately.
- Inhalation** Remove person to fresh air. Seek medical attention if symptoms persist.
- Advice to Physicians** Treat symptomatically.

### 5. FIRE- FIGHTING MEASURES

#### Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry powder, and foam. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: High volume water jet.

#### Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not Flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Reacts with Epoxy Resin, forming heat.

#### Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting instructions: Do not allow run off to enter drains or water courses.

Protection during Fire Fighting: Wear proper protective equipment including respiratory protection.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, oxides of Nitrogen



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Reference to other sections: See Section 9 – Flammability properties

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate protective clothing. Do not get in eyes, on skin or on clothing.

### Environmental Precautions

Prevent the material from entering drains or watercourses.

### Methods for Containment and Clean-up

Pick up and transfer into suitable container for recovery or disposal.

## 7. HANDLING AND STORAGE

### Precaution for Safe Handling

Handle in accordance with good industrial hygiene and safety procedures. Use with adequate ventilation.

Wash hands and exposed areas with mild soap and water before eating, drinking, or smoking.

### Conditions for Safe Storage

Keep out of reach of children and animals. Storage area should be: - cool - dry - well ventilated – out of direct sunlight - away from incompatible materials

Incompatible Materials: Strong Acids, Strong bases, Strong oxidizers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Standards

Ingredient	Exposure Limits
Diethylenetriamine	ACGIH TLV (absorbed through skin) TWA: 4.2 mg/m <sup>3</sup> 8 hours; TWA 1 ppm 8 hours

### Engineering Control Measures

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide sufficient ventilation to keep vapors below permissible exposure limits. Ensure all national / local regulations are observed.

### Personal Protective Measures

Respiratory Protection: Use a NIOSH- approved respirator or a self-contained breathing apparatus whenever exposure levels exceed the Occupational Exposure Limits.

Skin / Body Protection: Wear suitable protective clothing.

Eye / Face Protection: Wear safety glasses / goggles.

Hand Protection: Wear chemical resistant gloves.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid		
<b>Color</b>	Amber	<b>pH</b>	Not applicable
<b>Odor</b>	Musty	<b>Density (g/cm<sup>3</sup>)</b>	1.12
<b>Odor Threshold</b>	No data available	<b>Specific Gravity</b>	1.12
<b>Boiling Range/Point (°C/F)</b>	No data available	<b>Melting Point (°C/F)</b>	No data available
<b>Flash Point (PMCC) (°C/F)</b>	>93°C (> 199.4°F)	<b>Vapor Pressure</b>	No data available
<b>Evaporation Rate (BuAc=1)</b>	No data available	<b>Solubility in Water</b>	No data available
<b>Vapor Density (Air = 1)</b>	No data available	<b>Viscosity</b>	No data available
<b>VOC (g/l)</b>	No data available	<b>Auto-Ignition Temperature</b>	No data available
<b>VOC (%)</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Partition Coefficient</b> (n-octanol/water)	No data available	<b>Upper Explosive Limit</b>	No data available
<b>Flammability (solid / gas)</b>	Not applicable	<b>Lower Explosive Limit</b>	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with Epoxy Resin, forming heat.

### Chemical Stability

Stable under normal conditions of use and storage.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Direct Sunlight – high and low temperatures – contact with incompatible materials

### Incompatible Materials

Acids – bases – strong oxidizers

### Hazardous Decomposition Products

Oxides of carbon – oxides of nitrogen

## 11. TOXICOLOGICAL INFORMATION

### Product

#### Acute Toxicity

Oral: LD50: 1,151.22 mg/kg body weight - Harmful if swallowed.

Dermal: LD50: 1,229.45 mg/kg body weight – Harmful if contact with skin.

#### Specific Target Organ Systemic Toxicity (STOT repeated exposure)

Not classified

#### Serious Eye damage / Eye Irritation

Causes serious eye damage.



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### Skin Corrosion/Irritation

Skin irritant.

### Respiratory or Skin Sensitization

May cause an allergic skin reaction.

### Carcinogenicity

Not classified.

### Reproductive Toxicity

Suspected of damaging fertility or the unborn child.

### Germ Cell Mutagenicity

Not classified.

### Aspiration Hazard

Not classified.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No relevant studies identified.

### Mobility in Soil

No relevant studies identified.

### Persistence/Degradability

No relevant studies identified.

### Bio-accumulation Potential

Not expected to bioaccumulate

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT CFR 172.101 Data** Not Regulated.

**UN Proper Shipping Name** Not Regulated.

**UN Class** None.

**UN Number** None.

**UN Packaging Group** None.

**Classification for AIR Transportation (IATA)** Consult current IATA regulations prior to shipping by air.

**Sea Transport (IMDG)** Not Regulated.

**Environmental Hazards** Not a marine pollutant.

## 15. REGULATORY INFORMATION

### US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

#### TSCA Listing

All components of this product are in compliance with the inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.



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### SARA Title III Sect. 311/312 Categorization

Immediate Acute Health Hazard, Delayed Chronic Health Hazard

### SARA Title III Sect. 313

None listed

### State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

### Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

Dipropylene glycol

### California Prop 65

To the best of our knowledge, this product does not contain substances known to the State of California to cause cancer, birth defects or other reproductive harm, at level which would require a warning under the statute.

### Canada

### WHMIS

Class D-2A: Material causing other toxic effects (Very Toxic)

Class D-2B: Material causing other toxic effects (Toxic)

## 16. OTHER INFORMATION

The information presented in this Safety Data Sheet was prepared by qualified personnel and to the best of our knowledge is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for this purpose. This data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which The Gorilla Glue Company assumes legal responsibility. The data is submitted for the user's information and consideration only. Any use or disposal of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.



# SAFETY DATA SHEET – Gorilla Epoxy Resin

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## FOR CHEMICAL EMERGENCY:

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## 1. IDENTIFICATION OF THE PRODUCT

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<b>Use</b>	Epoxy Resin
<b>Distributor</b>	The Gorilla Glue Company 4550 Red Bank Expressway Cincinnati, OH 45227 Tel: (513) 271-3300 Fax: (513) 527-3742
<b>Emergency Telephone Number</b>	1-800-420-7186 (Prosar)

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin Irritant:	Category 2
Eye irritation:	Category 2A
Skin sensitization:	Category 1
Aquatic Chronic	Category 2

### GHS Labeling



Hazardous Symbols:

Signal Word: Warning

Hazardous Statements: Causes skin irritation.  
Causes serious eye irritation.  
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: Avoid breathing mist, vapors or spray.  
Avoid release to the environment.  
Wash skin and face thoroughly after handling.  
Wear protective gloves, protective clothing and eye protection.

Response: IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a doctor or emergency medical facility if you feel unwell.



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## FOR CHEMICAL EMERGENCY:

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Storage: Store in a well-ventilated place.  
Disposal: Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.  
Other Hazards: Contains epoxy constituents. May produce an allergic reaction.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Concentration	Classification
Bisphenol A Epoxy Resin	25068-38-6	60-100%	Skin irrit. Cat 2 Eye irrit. Cat 2A Skin sens Cat 1 Aquatic Chronic Cat 2

### 4. FIRST AID MEASURES

**Eyes** Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.  
**Skin** Remove contaminated clothes immediately. Wash skin with plenty of water and soap. Consult a doctor or call a POISON CENTER if you feel unwell. Wash contaminated clothing before reuse.  
**Ingestion** Product is not intended to be ingested or eaten. Do not induce vomiting. Call a doctor or POISON CENTER for assistance immediately.  
**Inhalation** Remove person to fresh air. Seek medical attention if symptoms persist.  
**Advice to Physicians** Treat symptomatically.

### 5. FIRE- FIGHTING MEASURES

#### Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry powder, and foam. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: High volume water jet.

#### Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not Flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Reacts with Epoxy Hardener, forming heat.

#### Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting instructions: Do not allow run off to enter drains or water courses.

Protection during Fire Fighting: Wear proper protective equipment including respiratory protection.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Reference to other sections: See Section 9 – Flammability properties





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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate protective clothing. Do not get in eyes, on skin or on clothing.

### Environmental Precautions

Prevent the material from entering drains or watercourses.

### Methods for Containment and Clean-up

Pick up and transfer into suitable container for recovery or disposal.

## 7. HANDLING AND STORAGE

### Precaution for Safe Handling

Handle in accordance with good industrial hygiene and safety procedures. Use with adequate ventilation. Wash hands and exposed areas with mild soap and water before eating, drinking, or smoking.

### Conditions for Safe Storage

Keep out of reach of children and animals. Storage area should be: - cool - dry - well ventilated – out of direct sunlight - away from incompatible materials

Incompatible Materials: Strong Acids, Strong bases, Strong oxidizers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Standards

Any component listed in Section 3 that is not listed in this section does not have a known US ACGIH TLV, or OSHA PEL.

### Engineering Control Measures

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide sufficient ventilation to keep vapors below permissible exposure limits. Ensure all national / local regulations are observed.

### Personal Protective Measures

Respiratory Protection: Use a NIOSH- approved respirator or a self-contained breathing apparatus whenever exposure levels exceed the Occupational Exposure Limits.

Skin / Body Protection: Wear suitable protective clothing.

Eye / Face Protection: Wear safety glasses / goggles.

Hand Protection: Wear chemical resistant gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid		
<b>Color</b>	Translucent, Clear	<b>pH</b>	Not applicable
<b>Odor</b>	No data availabel	<b>Density (g/cm<sup>3</sup>)</b>	No data available



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<b>Odor Threshold</b>	No data available	<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	No data available	<b>Melting Point (°C/F)</b>	No data available
<b>Flash Point (PMCC) (°C/F)</b>	>93°C (> 199.4°F)	<b>Vapor Pressure</b>	No data available
<b>Evaporation Rate (BuAc=1)</b>	No data available	<b>Solubility in Water</b>	No data available
<b>Vapor Density (Air = 1)</b>	No data available	<b>Viscosity</b>	No data available
<b>VOC (g/l)</b>	No data available	<b>Auto-Ignition Temperature</b>	No data available
<b>VOC (%)</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Partition Coefficient</b> (n-octanol/water)	No data available	<b>Upper Explosive Limit</b>	No data available
<b>Flammability</b> (solid / gas)	Not applicable	<b>Lower Explosive Limit</b>	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with Epoxy Hardener, forming heat.

### Chemical Stability

Stable under normal conditions of use and storage.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Direct Sunlight – high and low temperatures – contact with incompatible materials

### Incompatible Materials

Acids – bases – strong oxidizers

### Hazardous Decomposition Products

Oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

### Product

#### Acute Toxicity

Not classified.

#### Specific Target Organ Systemic Toxicity (STOT repeated exposure)

Not classified

#### Serious Eye damage / Eye Irritation

Causes serious eye irritation.

#### Skin Corrosion/Irritation

Causes skin irritant.

#### Respiratory or Skin Sensitization

May cause an allergic skin reaction.



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### **Carcinogenicity**

Not classified.

### **Reproductive Toxicity**

Not classified.

### **Germ Cell Mutagenicity**

Not classified.

### **Aspiration Hazard**

Not classified.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

General – Toxic to aquatic life with long lasting effects

### **Persistence/Degradability**

No relevant studies identified.

### **Mobility in Soil**

No relevant studies identified.

### **Bio-accumulation Potential**

Not expected to bioaccumulate

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT** : Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A EPOXY RESIN) Marine pollutant  
UN3082 Class 9 PG\* III

**TDG** :Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A EPOXY RESIN) Marine pollutant  
UN3082 Class 9 PG\* III

**IMDG** :ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN) Marine pollutant UN3082 Class 9 PG\* III

**IATA** :ENVIRON MENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN) Marine pollutant UN3082 Class 9 PG\* III

## 15. REGULATORY INFORMATION

### **US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

#### **TSCA Listing**

All components of this product are in compliance with the inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

#### **SARA Title III Sect. 311/312 Categorization**

Immediate Acute Health Hazard

#### **State Right-To-Know Information**

Neither this product or its ingredients are listed in a US States List.



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## 16. OTHER INFORMATION

### Abbreviations

CAS#: Chemical Abstracts Service Number

Irrit.: Irritant

RTK – Right to Know

Sens: Sensitizer

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