SAFETY DATA SHEET – Gorilla Epoxy Hardener

Date Revised: 24/06/2024 Version 1.3

FOR CHEMICAL EMERGENCY Contact Australian Poison Centre: 13 11 26

Section 1. Identification of the material and the supplier

Product: Gorilla Epoxy Hardener
Synonyms: Epoxy Hardener
Product Use: Epoxy

Australian Supplier:
Gorilla Glue Australia Pty Ltd.
Suite 101, 5 Nexus Court
Mulgrave, VIC, 3170
Australia

Telephone: +1800 201 480

Emergency Number: 13 11 26

Manufacturer:
The Gorilla Glue Company
2101 E. Kemper Road
Cincinnati, OH 45241 US
www.gorillaglue.com.au/

Telephone: +1 513-271-3300

Date of SDS Preparation: November 27 2023

Section 2. Hazards Identification

Australia NOHSC – Hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice

Pictograms

GHS07

GHS08

GHS05

Warning Signal: **DANGER**

Hazard Code	Hazard Statement	GHS Category
H302+H312	Harmful if swallowed or in contact with skin.	Category 4
H315	Causes skin irritation.	Category 2
H317	May cause an allergic skin reaction.	Category 1
H361	Suspected of damaging fertility or the unborn child …	Category 2
H318	Causes serious eye damage.	Category 1

Prevention Code	Prevention Statement
P201	Obtain special instructions before use.

P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing fumes or vapours.
P264	Wash hands, forearms, and other exposed areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, protective clothing, and eye protection.

Response Code	Response Statement
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P362+P364	Take off contaminated clothing and wash before re-use.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
P405	Store locked up.

Disposal Code	Disposal Statement
P501	Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Section 3. Composition / Information on Ingredients

Ingredient	Cas No	Weight %
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
Non-hazardous or trace Elements	Proprietary	Balance

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. Allow

person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

Section 5. Fire Fighting Measures

Hazard Type	Not flammable.
Hazards from combustion products	Carbon oxides (CO, CO_2). Nitrogen compounds.
Suitable Extinguishing media	Carbon dioxide, dry powder, and foam. In cases of large scale fires, alcohol-resistant foams are preferred. **Unsuitable:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Precautions for firefighters and special protective clothing	Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Do not allow run-off from fire-fighting to enter drains or water courses.
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

For emergency responders:
Use personal protection recommended in Section 8. Do not get in eyes, on skin, or on clothing.
Avoid breathing vapours. Evacuate unnecessary personnel.

Methods and material for containment and cleaning up
Ventilate area. Stop leak if safe to do so. Absorb and/or contain spill with inert material, then place in suitable container. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Handling

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing fumes or vapours.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing.
- Use personal protective equipment as required.

Storage

- Store locked up.
- Keep out of reach of children.
- Store in a dry, cool and well-ventilated place.
- Keep container tightly closed when not in use.
- Store away from strong acids, strong bases, strong oxidizers, water.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m^3	ppm	mg/m^3
Diethylene triamine (skin)[111-40-0]	1	4.2	-	-
Bisphenol A [80-05-7]	0.05	2.8	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA)*.The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

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

Personal Protection Equipment

Eyes	Chemical goggles or safety glasses. Avoid wearing contact lenses.
Hands and Skin	Wear chemically resistant protective gloves. Wear suitable protective clothing.
Respiratory	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Section 9 Physical and Chemical Properties

Appearance	Amber Liquid
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	>93^{0}C Closed Cup
Flammability	Not available
Upper and Lower Exposure Limits	Not available
Vapour Pressure	Not available
Density	Not available
Relative Density	1.12
Specific Gravity	1.12

Solubilities	Insoluble in water.
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products	Carbon oxides (CO, CO_2). Nitrogen compounds.

Section 11 Toxicological Information

Acute Effects:	
Swallowed	Harmful if swallowed
Dermal	Harmful if in contact with skin.
Inhalation	Not applicable
Eye	Causes serious eye damage.
Skin	Causes skin irritation. May cause an allergic skin reaction.

Chronic Effects:	
Carcinogenicity	Not applicable.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Isophorone diamine (2855-13-2)	
LD50 Oral Rat	1030 mg/kg
ATE US (dermal)	1,100.00 mg/kg body weight
Bisphenol A (80-05-7)	
LD50 Oral Rat	3300 mg/kg
LD50 Dermal Rabbit	3 ml/kg
LC50 Inhalation Rat	> 0.17 mg/l (Exposure time: 6 h)

Section 12. Ecotoxicological Information

This product is not harmful to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available

Other adverse effects	No data available

Isophorone diamine (2855-13-2)	
EC50 Daphnia 1	14.6 - 21.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [semi-static])
Bisphenol A (80-05-7)	
LC50 Fish 1	3.6 (3.6 - 5.4) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	10.2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	4.0 - 5.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	3.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Bioaccumulative Potential

Isophorone diamine (2855-13-2)	
Log Pow	0.79 (at 23 °C)
Bisphenol A (80-05-7)	
BCF Fish 1	5.1 - 13.8
Log Pow	2.2

Section 13. Disposal Considerations

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in Australian Dangerous Goods Code ADG7 and NOHSC:1008(2004)

Section 15 Regulatory Information

Australia NOHSC – Hazardous according to Safe Work Australia NOHSC 2011 National Code of Practice.

Poison Schedule: Schedule 5

Section 16 Other Information

1. Safe Work Australia: Preparation of SDS sheets for hazardous chemicals (Code of Practice).

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