SECTION 1: IDENTIFICATION

Product Identifier
Product Name: Gorilla Glue White
Synonyms: Polyurethane Adhesive

Intended Use of the Product
Consumer Adhesives for building, carpentry, or hobby projects.

Name, Address, and Telephone of the Responsible Party
Company
The Gorilla Glue Company
4550 Red Bank Expressway
Cincinnati, Ohio 45227
513-271-3300
www.gorillatough.com

Emergency Telephone Number
Emergency number: 1-800-420-7186 (Prosar)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US)
Acute Tox. 4 (Inhalation:dust,mist) H332
Skin Irrit. 2 H315
Eye Irrit. 2B H320
Resp. Sens. 1 H344
Skin Sens. 1 H317
STOT SE 3 H335
STOT RE 1 H372

Full text of H-phrases: see section 16

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H315 - Causes skin irritation.
H320 - Causes eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements (GHS-US):
P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P302+P352 – IF ON SKIN: Wash with plenty of water.
P304+P340 – IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a poison center or doctor if you feel unwell.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards
Other Hazards: Contains isocyanates. May produce an allergic reaction.
Unknown Acute Toxicity (GHS-US): Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic Polyisocyanate based on MDI</td>
<td>(CAS No) 167883-19-4</td>
<td>60 - 100</td>
<td>Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 1, H372</td>
<td></td>
</tr>
<tr>
<td>2,4’-Diphenylmethane Diisocyanate (MDI)</td>
<td>(CAS No) 5873-54-1</td>
<td>10 - 20</td>
<td>Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 1, H372</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures
General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
Inhalation: Using proper respiratory protection, immediately move the exposed person to fresh air. Seek medical attention immediately.
Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Most Important Symptoms and Effects Both Acute and Delayed**

**General:** Harmful if inhaled. Exposure may produce an allergic reaction. Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing. Causes skin irritation. Causes serious eye irritation.

**Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Harmful if inhaled.

**Skin Contact:** Exposure may produce an allergic reaction. Causes skin irritation.

**Eye Contact:** Causes eye irritation.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** Causes damage to organs through prolonged or repeated exposure.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If medical advice is needed, have product container or label at hand.

---

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Carbon dioxide, dry powder, and foam. In cases of large scale fires, alcohol-resistant foams are preferred. If water is used, it should be used in very large quantities. The reaction between water and isocyanate may be vigorous.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Exothermic reactions with amines and alcohols; reacts with water forming heat, carbon dioxide, and insoluble polyurea. The combined effect of CO₂ and heat can produce enough pressure to rupture a closed container.

**Advice for Firefighters**

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

**Firefighting Instructions:** Do not allow run-off from fire fighting to enter drains or water courses.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO₂). Nitrogen compounds. Dense black smoke, isocyanate, isocyanic acid.

**Reference to Other Sections**

Refer to section 9 for flammability properties.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**General Measures:** Do not get in eyes, on skin, or on clothing.

**For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

**Environmental Precautions**

Prevent entry to sewers and public waters.

**Methods and Material for Containment and Cleaning Up**

**For Containment:** Absorb and/or contain spill with inert material, then place in suitable container.
Methods for Cleaning Up: Remove mechanically; cover remainders with wet absorbent material (e.g., sand, earth, sawdust). After approx. 15 min. transfer to waste container and do not seal (evolution of CO₂). Keep damp in a safe ventilated area for several days. Clean up spills immediately and dispose of waste safely.

Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from incompatible materials. Keep product away from sources of alcohols, amines, or other materials that react with isocyanates. Keep out of reach of children and animals.


Specific End Use(s)
Consumer Adhesives for building, carpentry, or hobby projects.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA ACGIH</th>
<th>USA OSHA</th>
<th>USA NIOSH</th>
<th>USA NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-Diphenylmethane Diisocyanate (MDI)</td>
<td>ACGIH TWA (ppm)</td>
<td>OSHA PEL [Ceiling] (mg/m³)</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>NIOSH REL (TWA) (ppm)</td>
</tr>
<tr>
<td></td>
<td>0.005 ppm</td>
<td>0.2 mg/m³</td>
<td>0.05 mg/m³</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.02 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For additional exposure limits in other regions, please consult the listed tables for more specific information.
Exposure Controls

**Appropriate 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 vapors below permissible exposure limit. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective clothing. Safety glasses. Gloves. Insufficient ventilation: wear respiratory protection.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

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

**Other Information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear/Transparent/Yellowish</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Musty</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>&gt; 300 °C (572 °F)</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>198 °C (388.4 °F) @ 1,013 mbar</td>
</tr>
<tr>
<td><strong>Auto-ignition Temperature</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Lower Flammable Limit</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Upper Flammable Limit</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>&lt; 0.0001 mm Hg @ 25 °C (77 °F)</td>
</tr>
<tr>
<td><strong>Relative Vapor Density at 20 °C</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Relative Density</strong></td>
<td>1.123 g/cm³</td>
</tr>
<tr>
<td><strong>Specific gravity / density</strong></td>
<td>1.123 g/cm³</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td><strong>Partition Coefficient: N-Octanol/Water</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>3800 - 6000 mPa.s at 25 °C (77 °F)</td>
</tr>
<tr>
<td><strong>Explosion Data – Sensitivity to Mechanical Impact</strong></td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td><strong>Explosion Data – Sensitivity to Static Discharge</strong></td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY

Reactivity: Exothermic reactions with amines and alcohols; reacts with water forming heat, carbon dioxide, and insoluble polyurea. The combined effect of CO \(_2\) and heat can produce enough pressure to rupture a closed container.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Contact with moisture, other materials that react with isocyanates, or temperatures above 350°F (177°C) may cause polymerization.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.


SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Inhalation: dust, mist: Harmful if inhaled.

LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Product</th>
<th>LD50 Oral Rat (mg/kg)</th>
<th>LD50 Dermal Rabbit (mg/kg)</th>
<th>LC50 Inhalation Rat (mg/m(^3))</th>
<th>ATE US (dust, mist) (mg/l/4h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gorilla Glue White</td>
<td></td>
<td></td>
<td></td>
<td>1.50</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Causes skin irritation.

pH: Not applicable

Serious Eye Damage/Irritation: Causes eye irritation.

pH: Not applicable

Respiratory or Skin Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Harmful if inhaled.

Symptoms/Injuries After Skin Contact: Exposure may produce an allergic reaction. Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral Rat (mg/kg)</th>
<th>LD50 Dermal Rabbit (mg/kg)</th>
<th>LC50 Inhalation Rat (mg/m(^3))</th>
<th>ATE US (dust, mist) (mg/l/4h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic Polyisocyanate based on MDI (167883-19-4)</td>
<td>31600</td>
<td>&gt; 9400</td>
<td>369</td>
<td>0.37</td>
</tr>
<tr>
<td>4,4’-Diphenylmethane Diisocyanate (MDI) (101-68-8)</td>
<td>&gt; 2000</td>
<td>&gt; 9400</td>
<td>369</td>
<td>0.37</td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,4’-Diphenylmethane Diisocyanate (MDI) (5873-54-1)</td>
<td>&gt; 2000</td>
<td>&gt; 9400</td>
<td>369</td>
<td>0.37</td>
</tr>
</tbody>
</table>
### ATE US (dust, mist)

1.50 mg/l/4h

<table>
<thead>
<tr>
<th>Chemical</th>
<th>ECOSAR Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-Diphenylmethane Diisocyanate (MDI) (101-68-8)</td>
<td>IARC Group 3</td>
</tr>
</tbody>
</table>

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity data based on polymeric MDI (a mixture of monomers and higher molecular weight oligomers).

**Toxicity** Not classified

**Persistence and Degradability**

- **Bioaccumulative Potential**: Does not bioaccumulate.
- **Mobility in Soil**: Not available
- **Other Adverse Effects**: Other Information: Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

- **Sewage Disposal Recommendations**: Do not dispose of waste into sewer.
- **Waste Disposal Recommendations**: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

### SECTION 14: TRANSPORT INFORMATION

- **In Accordance with DOT**: Not regulated for transport
- **In Accordance with IMDG**: Not regulated for transport
- **In Accordance with IATA**: Not regulated for transport
- **In Accordance with TDG**: Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

**US Federal Regulations**

<table>
<thead>
<tr>
<th>Gorilla Glue White</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
</tr>
</tbody>
</table>

- **Aromatic Polysocyanate based on MDI (167883-19-4)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **4,4’-Diphenylmethane Diisocyanate (MDI) (101-68-8)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
  - Listed on United States SARA Section 313
  - US EPA CERCLA Hazardous substance component (40 CFR 302), Reportable quantity: 5000 lbs

<table>
<thead>
<tr>
<th>Gorilla Glue White</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
</tr>
</tbody>
</table>

- **2,4’-Diphenylmethane Diisocyanate (MDI) (5873-54-1)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

**US State Regulations**

<table>
<thead>
<tr>
<th>Gorilla Glue White</th>
</tr>
</thead>
<tbody>
<tr>
<td>This product contains a trace (ppm) amount of phenyl isocyanate (CAS # 103-71-9) and monochlorobenzene (CAS # 108-90-7) as impurities. California Prop 65: To the best of our knowledge, this product does not contain any of the listed chemicals, which the State of California has found to cause cancer, birth defects or reproductive harm.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gorilla Glue White</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-Diphenylmethane Diisocyanate (MDI) (101-68-8)</td>
</tr>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
</tr>
</tbody>
</table>
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

**Canadian Regulations**

**Gorilla Glue White**

| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
| | Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**Aromatic Polyisocyanate based on MDI (167883-19-4)**

Listed on the Canadian NDSL (Non-Domestic Substances List)

**4,4’-Diphenylmethane Diisocyanate (MDI) (101-68-8)**

Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)

| IDL Concentration | 0.1 %
| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
| | Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**2,4’-Diphenylmethane Diisocyanate (MDI) (5873-54-1)**

Listed on the Canadian DSL (Domestic Substances List)

| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
| | Class D Division 2 Subdivision B - Toxic material causing other toxic effects
| | Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision Date**

: 07/09/2015

**Other Information**

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**

| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B
| Resp. Sens. 1 | Respiratory sensitisation Category 1
| Skin Irrit. 2 | Skin corrosion/Irritation Category 2
| Skin Sens. 1 | Skin sensitization Category 1
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3
| H315 | Causes skin irritation
| H317 | May cause an allergic skin reaction
| H320 | Causes eye irritation
| H332 | Harmful if inhaled
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled
| H335 | May cause respiratory irritation
| H372 | Causes damage to organs through prolonged or repeated exposure
Party Responsible for the Preparation of This Document
The Gorilla Glue Company
+1 513-271-3300

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 of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.