

## SAFETY DATA SHEET

**Item Code: W99U08**

Section 1.	Identification of the material and the supplier
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Item Code:	W99U08
Product:	Gorilla Glue Premium Wood Adhesive
Product Use:	Wood Adhesive
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
<b>Emergency Telephone:</b>	<b>09 526 5700</b> <b>0800 766 764 (National Poison Centre)</b>
Manufacturer:	Holdfast NZ Ltd, 14 Avalon Drive, Hamilton
Date of MSDS Preparation:	14 March 2017 – ver 2

Section 2.	Hazards Identification
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**This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001***

**Group Standard & ERMA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662**

**Contains isocyanates**

**Pictograms**



Flammable



Toxic



Chronic

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
3.1C	H226	Flammable liquid and vapour.	R10
6.1D (inhalation)	H332	Harmful if inhaled.	R20
6.3A	H315	Causes skin irritation.	R38
6.4A	H320	Causes eye irritation.	R36
6.5A	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	R37
6.5B	H317	May cause an allergic skin reaction.	R43

**Prevention Code      Prevention Statement**

P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P210	Keep away from heat& hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves & eye protection
P285	In case of inadequate ventilation wear respiratory protection.*

**Response Code      Response Statement**

P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P304 + P341	IF INHALED: If breathing is difficult, remove 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.
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/physician.
P370 + P378	In case of fire: Use Polyvalent foam, BC powder, Carbon Dioxide for extinction.

**Storage Code      Storage Statement**

P403 + P235	Store in a well-ventilated place. Keep cool.
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**Section 3.      Composition / Information on Ingredients**

<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
2,2' -dimorpholinyl diethyl ether	<20%	6425-39-4
Xylene, mixture of isomers	<12.5%	1330-20-7
polymethylenepolyphenylisocyanate	>25%	9016-87-9

**Section 4. First Aid Measures**

Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance
If Swallowed	If swallowed, call a physician immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.
If Inhaled	Remove person to fresh air. 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.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Combustible liquid
<b>Hazards from decomposition products</b>	Heat/fire exposure: release of toxic and corrosive gases/vapours: nitrous vapours, carbon monoxide and carbon dioxide. Gas/vapour flammable with air within explosion limits.
<b>Suitable Extinguishing media</b>	Polyvalent foam, BC powder, Carbon Dioxide
<b>Precautions for firefighters and special protective clothing</b>	Heat/fire exposure: compressed air/oxygen apparatus. Dilute toxic gases with water spray.
<b>HAZCHEM CODE</b>	<b>3Y</b>

**Section 6. Accidental Release Measures**

Use appropriate containment to avoid environmental contamination.  
Take up liquid spill into absorbent material e.g. Sand/earth.  
Take collected spill to competent authority.  
Wash clothing and equipment after handling.

**Section 7. Handling and Storage**

<b>Handling</b>	Observe very strict hygiene – avoid contact. In case of insufficient ventilation: keep naked flames/sparks away. Do not discharge the waste into the drain. Remove contaminated clothing immediately. Clean contaminated clothing.
<b>Storage</b>	Keep container tightly closed. Keep away from: heat sources, ignition sources. Storage temperature: Room temperature. Storage life: 365 days. Materials for packaging: Plastic.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Xylene, mixture of isomers	50	217		

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** Provide good ventilation

**Personal Protection** Wear appropriate gloves and eye protection.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid (at 20°C)
<b>Odour</b>	Solvent
<b>Colour</b>	Brown
<b>Explosive Limits</b>	1.0 – 7.0 Vol%
<b>Vapour Pressure (at 20°C)</b>	8hPa
<b>Relative Density (at 20°C)</b>	1.1
<b>Viscosity (at 20°C)</b>	6 Pa.s
<b>Solubility in Water</b>	Insoluble
<b>Soluble in</b>	Organic solvents

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable under normal circumstances.
<b>Conditions to Avoid</b>	Heat sources, ignition sources
<b>Hazardous Decomp</b>	Heat/fire exposure: release of toxic and corrosive gases/vapours: nitrous vapours, carbon monoxide and carbon dioxide.

## Section 11 Toxicological Information

### Acute toxicity:

<b>Xylene, mixture of isomers:</b>	LD50 oral rat: > 4300 mg/kg
	LD50 dermal rabbit: >2000 mg/kg
	LD50 dermal rabbit: >1700 mg/kg
	LC50 inhalation rat: 22 mg/1/4 h
	LC50 inhalation rat: 5000 ppm/4 h

<b>Polymethlenepolyphenylisocyanate:</b>	LD50 oral rat: >10000 mg/kg
	LD50 dermal rabbit: >5000 mg/kg

### Chronic toxicity:

<b>Xylene, mixture of isomers:</b>	Carcinogenicity (TLV):	A4
	Teratogenicity (MAK):	Group D

IARC classification: 3

**Polymethlenepolyphenylisocyanate:** Carcinogenicity (MAK): category 3B  
IARC classification: 3

**Routes of exposure:** Ingestion, inhalation, eye and skin.

**Eyes:** Irritation of the eye tissue.

**Skin:** Tingling/irritation of the skin.

**Inhalation:** Dry/sore throat, Coughing, Runny nose, Irritation of the respiratory tract, Irritation of the nasal mucous membranes, Inflammation of the respiratory tract.

**Ingestion:** Irritation of the gastric/intestinal mucosa.

**Exposure to high concentrations:**

Risk of pneumonia and respiratory difficulties.

**Symptoms may appear later:**

Risk of lung oedema.

**Chronic effects:**

May cause sensitization by skin contact.

May cause sensitization by inhalation.

Contains substance with uncertain carcinogenic properties (xylene) (polymethlenepolyphenylisocyanate).

**Continuous exposure:**

Itching, skin rash/inflammation, may stain the skin, feeling of weakness, coughing, inflammation of the respiratory tract, respiratory difficulties.

## Section 12. Ecotoxicological Information

**Ecotoxicity:**

**Xylene, mixture of isomers:** LC50 (96h): 3.77 mg/l (slamo gairdeneri/oncorhynchus mykiss)  
EC50 (48h): 7.4 mg/l (daphnia magna)  
EC50 (72h): 10 mg/l (skeletonema costatum)

**Mobility:** Volatile organic compounds: 3%  
Insoluble in water

## Section 13. Disposal Considerations

Incinerate under surveillance. Do not discharge into surface water. Dispose in accordance with local regulations

## Section 14 Transport Information

Classified as a Dangerous Good for land transport in NZ ; NZS 5433:2007

Road and Rail Transport

UN No: 1133  
Class-primary: 3  
Packing Group: III  
Proper Shipping Name: Adhesives, non viscous

### Air Transport

UN No: 1133  
Class-primary 3  
Packing Group III  
Proper Shipping Name: Adhesives, non viscous

### Marine Transport

UN No: 1133  
Class-primary 3  
Packing Group III  
Proper Shipping Name: Adhesives, non viscous  
Marine pollutant NO

## **Section 15 Regulatory Information**

ERMA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSNO Classification: 3.1C, 6.1D, 6.3A, 6.4A, 6.5A, 6.5B (manufacturer)

HSNO Controls:

Trigger quantities for this substance:

	<b>Trigger Quantity</b>
Approved Handler	Not Required
Location Certificate	500L (>5L), 1500L (<5L); 250L open.
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	1000L
Emergency Response Plan trigger Quantities	10,000L

## **Section 16 Other Information**

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

### Disclaimer

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