

# MATERIAL SAFETY DATA SHEET

Issue date: MAY 2011

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**Product Name:** WOODLOK 3600 Polyurethane Glue

**Supplier:** GLUE GURU  
**Address:** 18 Kaimahi Road  
Wairau Valley  
Auckland 0627  
New Zealand

**Telephone** (09) 444 4878 Customer Services

**Fax** (09) 442 5975

**Emergency Telephone** + 64 274 736008 (24 hours)  
National Poison Centre (24 hours): 0800 POISON [764 766]

## 2. HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.  
Toxic Substance: Not classified

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description	Adhesive	
Polymeric MDI	9016-87-9	30-60%
4,4-diphenylmethane diisocyanate	101-68-8	30-60%
MDI Mixed Isomers	26447-40-5	<1%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

**Ingestion:** Immediately rinse mouth with water. Do not induce vomiting. Seek medical assistance.

**Inhalation:** Remove victim from area of exposure. Remove contaminated clothing and loosen remaining clothing. If breathing is difficult seek immediate medical attention.

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**Skin Contact:** Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice if necessary.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

**Notes to physician:** The manifestations of respiratory symptoms including pulmonary edema, resulting from acute exposure may be delayed. Supportive care. Treatment based on judgment by the doctor in response to reactions of the patient.

### 5. FIRE-FIGHTING MEASURES

**Specific Hazards:** Will support combustion. Toxic fumes are released in fire situations.

**Fire-fighting advice:** On burning may emit toxic fumes including those of carbon monoxide, nitrogen oxide, isocyanate vapours and hydrogen cyanide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Suitable Extinguishing Media:** Dry chemical powder, Carbon dioxide, chemical foam; in case of larger fires, water spray should be used.

### 6. ACCIDENTAL RELEASE MEASURES

Evacuate spill area. Contain spill. Wear protective clothing and breathing apparatus during clean up. Absorb spill with sand or earth and shovel into open top containers, do not make pressure tight. Treat with neutralizing solution (90% water, 2-7% detergent, 3-8% concentrated ammonium hydroxide). About 10 parts neutralizing solution per part of isocyanate with mixing.

### 7. HANDLING AND STORAGE

**Handling advice:** Avoid skin and eye contact.

**Storage advice:** Store in a cool place and out of direct sunlight. Store away from alcohols, amines, moisture and sources of heat or ignition. Keep dry, reacts with water. Keep containers closed at all times, check regularly for leaks.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational Exposure Limits:

No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for constituent(s):

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Isocyanates, all (as-NCO): TWA 0.02 mg/m<sup>3</sup>; STEL 0.07 mg/m<sup>3</sup>, sen, NZ  
As published by the New Zealand Occupational Safety and Health Service (OSH)

'Sen' Notice – sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

### Engineering Control Measures:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use in well-ventilated area. Keep containers closed when not in use.

### Personal Protective Equipment:

Avoid skin and eye contact and inhalation of vapour or spray. Wear overalls, safety boots, full-face visor and general purpose gloves (PVC). Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown liquid
Solubility	Insoluble in water
Specific Gravity	1.1
Flash Point (°C)	>100°C
Flammability Limits (%)	Not applicable
Boiling Point / Range (°C)	180

## 10. STABILITY AND REACTIVITY

**Stability** Reacts with alcohols, amines and moisture.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** May cause vomiting, nausea and abdominal pain.

**Eye contact:** May cause slight eye irritation.

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**Skin contact:** Prolonged or repeated exposure may cause skin irritation. May result in allergic skin reactions or respiratory sensitization.

**Inhalation:** Vapours may cause irritation of the mucous membranes in the throat and lungs. May cause respiratory sensitization in susceptible individuals. MDI concentrations below the exposure standard may cause allergic respiratory reactions in individuals already sensitized. Symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Effects may be delayed.

### Long Term Effects:

There are reports that chronic exposure to isocyanates by inhalation, may result in a permanent decrease in lung function.

### Toxicological Data:

No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains.

However, for constituent MDI products:

Oral LD50 (rat): >10000 mg/kg

Dermal LD50 (rabbit): >9400 mg/kg

Inhalation LC50 (rat): 490 mg/m<sup>3</sup>/4h

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways, drains, sewers or ground. LC50>100 mg/l in most sensitive species.

## 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Should be incinerated in a hazardous waste incinerator in accordance with relevant regulations.

## 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by NZS 5433:1999 Transport of Dangerous Goods on Land.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**15. REGULATORY INFORMATION**

Not classified as hazardous.

**16. OTHER INFORMATION**

**New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]  
New Zealand Emergency Services: 111**

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End of Safety Data Sheet.