

# MATERIAL SAFETY DATA SHEET

Issue date: OCT 2015

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**Product Name:** WOODLOK 3010, 3030 & 3090 Polyurethane Gel Adhesive

**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

**ERMA Approval:** HSR002670

Not classified as Dangerous Goods by NZS 5433:1999 Transport of Dangerous Goods on Land.  
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

**Danger: Toxic to human target organs or systems.**

**Warning:** Reacts slowly with water to produce carbon dioxide but reaction accelerates at higher temperatures. Toxic gases/fumes may be given off during burning or thermal composition. Closed container may forcibly rupture under extreme heat or when contents have been contaminated with water. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.



6.1E (Oral); 6.3A; 6.4A; 6.5A(Respiration); 6.5B(Contact); 6.9A(Inhalation)

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## WOODLOK 3000 Series Polyurethane Gel



### Hazard statements:

Causes damage to organs. May be harmful if swallowed. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

### Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Wash thoroughly after handling.
- Wear protective gloves/protective clothing.
- Wear eye/face protection. Avoid breathing vapours.
- In case of inadequate ventilation wear suitable respiratory protection.
- Use only outdoors or in a well-ventilated area.
- Do not eat, drink or smoke when using this product.

### Response Statements

- If medical advice is needed, have product container or label at hand.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before re-use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- Wash contaminated clothing before reuse.
- IF exposed: Call a POISON CENTER or doctor/physician.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Methylenediphenylene isocyanate prepolymer	39420-98-9	30-60%	
4'-Methylenebis(phenyl isocyanate)	101-68-8	10-30%	R20,R36/37/38,R42/43
Diphenylmethane diisocyanate homopolymer	25686-28-6	5-15%	
Diphenylmethane Diisocyanate mixed polymers	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. Give plenty of water to drink. If vomiting occurs give further water. Seek medical assistance.

**Inhalation:** Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Get to a hospital or doctor quickly.

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**Skin Contact:** Wipe material from skin with cloth or absorbent paper. Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering, or irritation occurs seek medical advice. Traces of cured material (after water contact) is not considered hazardous. Do NOT remove with solvent. Allow to peel off naturally or hasten by soaking in tepid to warm water.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing is contaminated and wash skin. Seek immediate medical assistance.

**Notes to physician:**

Treat symptomatically. Effects may be delayed.

### 5. FIRE-FIGHTING MEASURES

**Hazards from combustion:** On burning may emit toxic fumes including those of carbon oxides, nitrogen oxides, isocyanate vapours and hydrogen cyanide.

**Fire-fighting advice:** 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:** Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:** If contamination of sewers or waterways has occurred advise local emergency services.

**Methods for containment & clean up:**

For small spills: Quickly wipe up material before it cures, with cloth or absorbent paper avoiding skin contact. Uncured material will dissolve in acetone or acetone based nail polish remover. Cured material can only be removed by abrasion.

For large spills: Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Scrape up material before it cures. Collect and seal in properly labeled containers for disposal. Wash area down with excess water. Cured material can only be removed by abrasion.

### 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 acids, alcohols, oxidizing agents, moisture and sources of heat or ignition. Keep dry, reacts with water; may lead to drum rupture. 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):

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)

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TWA (Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

STEL (Short Term Exposure Limits) - 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 short-term and eight hour, time-weighted average exposures should be determined.

'Sen' Notice – sensitizer. 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	Opaque white paste
Solubility	Insoluble in water
Specific Gravity	1.13
Flash Point (°C)	>100°C (closed cup)
Flammability Limits (%)	Not applicable
Boiling Point / Range (°C)	242

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	Avoid contact with foodstuffs.
<b>Incompatible materials:</b>	Reacts with alcohols, acids, oxidizing agents 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:** Swallowing can result in nausea and abdominal pain.

**Eye contact:** An eye irritant.

**Skin contact:** Contact with skin may result in irritation. May cause skin sensitization in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.  
Animal studies have shown that respiratory sensitization can be induced by skin contact with known respiratory sensitizers including diisocyanates.

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**Inhalation:** Repeated inhalation of vapour or spray mists at levels above the occupational exposure standard could cause respiratory sensitization. Symptoms may include irritation of the eyes, nose, throat and lungs, possibly with dryness of the throat, tightness of the chest and difficulty breathing. Onset of respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response may develop to even minimal concentrations of MDI in sensitized individuals.

**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): >15000 mg/kg, Inhalation LC50 (rat): 490 mg/m<sup>3</sup>/4h (vapour 4 hrs)

### 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. Material is practically non-toxic to aquatic organisms on an acute basis (LC50 greater than 100mg/l in most sensitive species)

### 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty foil or buckets should be exposed to air and left to cure. When cured, dispose of in rubbish as inert waste.

### 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

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

ERMA Approval: HSR002670

Group Standard: Surface Coatings and Colourants (Subsidiary Hazard) Group Standard

Subclass 6.1 Category E – Substances which are acutely toxic.

Subclass 6.3 Category B - Substances that are mildly irritating to the skin.

Subclass 6.4 Category A - Substances that are irritating to the eye.

Subclass 6.5 Category A - Substances that are respiratory sensitizers.

Subclass 6.5 Category B - Substances that are contact sensitizers

**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.