

**SAFETY DATA SHEET INFORMATION**

For further information: Please refer to the Safety Data Sheet following

Issue: January 23

**PRODUCT:** Unimastic  
**Other Names:** Single Pack, moisture curing adhesive  
**Uses:** High-build, quick curing adhesive  
**Signal Word:** Warning

<b>UN No.:</b>	N/R
<b>Dangerous Goods Class:</b>	N/R
<b>Subsidiary Risk:</b>	None
<b>Packing Group:</b>	N/R
<b>Hazchem Code:</b>	N/R

<b>Hazardous Nature:</b>	This product is classified as hazardous according to Australian GHS criteria.
<b>Hazard Statement:</b>	Specific Target Organ Toxicity (Repeated Exposure: Skin Sensitiser): 2; Serious Eye Damage/Irritation: 2B; Skin Corrosion/Irritation: 3.
<b>Exposure Standards:</b>	TWA: None established: consider 5 mg/m <sup>3</sup> ; STEL: None established: consider 5 mg/m <sup>3</sup> ; Peak Limitation (if any): None; Skin Sensitiser (if any): Sk. Refer to Section 8 for further information and definitions.

**Physical Characteristics (Typical)** **Section 9 of the SDS**

Appearance	White paste
Boiling Point/Range (°C):	> 300
Flash Point (°C):	> 150
Specific Gravity/Density (g/ml @ 20°C):	1.5
pH:	No data available
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Avoid contact with water or alcohols, extreme heat, oxidising agents, amines.

**Product Ingredients** **Section 3 of the SDS**

Ingredient	CAS Number	Proportion
Modified MDI polymer	1313410-91-0	< 30
Other ingredients determined not to be hazardous	various	> 70
Contains: isocyanates	26447-40-5, 4083-64-1	< 5

For further ingredients information, please refer to the full MSDS

**Pictograms** **Section 2 of the SDS**



**DEFINITIONS**

Dangerous Goods	Products that are regulated for transport by Road and Rail under the national guide are Dangerous Goods. Products can be classed as Dangerous Goods if they have a flash point below 60.5°C, a pH below 3 or above 11, are explosives or toxic. These goods will be allocated a UN No., Packing Group, Hazchem Code, and possibly a subsidiary risk.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by nature, rather than by misuse. These include mutagens, teratogens, carcinogens, products that are toxic (but not sufficiently toxic to be classed as Dangerous Goods or carry a subsidiary risk), and products that pose environmental risks.

## 1. IDENTIFICATION

**Product Name:** Unimastic  
**Other Names:** Single Pack, moisture curing adhesive  
**Chemical Family:** Polyurethane adhesive  
**Molecular Formula:** No data available  
**Recommended Use:** High-build, quick curing adhesive  
**Supplier:** A1 Rubber  
**ABN:** 92 095 559 130  
**Address:** 34 Binary Street, Yatala Qld 4207  
**Telephone:** +61 7 3807 3666  
**Fax:** +61 7 3807 2344  
**Emergency Phone:** **0408 070 384**  
**All other inquiries:** +61 7 3807 3666

## 2. HAZARDS IDENTIFICATION

### Hazardous Nature

This product is classified as hazardous according to Australian GHS criteria.

### Hazard Statement

Specific Target Organ Toxicity (Repeated Exposure: Skin Sensitiser): 2; Serious Eye Damage/Irritation: 2B; Skin Corrosion/Irritation: 3.

### Pictograms



### Hazard

Irritant

### Hazard Statements

H317: May cause an allergic skin reaction
H313: May be harmful in contact with skin
H315+320+335: Causes skin, eye, and respiratory irritation
H373: May cause damage to organs through prolonged or repeated exposure

### Precautionary Statements

P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P233: Keep container tightly closed.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P301+312+101: IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell, and have product container or label at hand.
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

### Dangerous Goods Classification N/R

**Signal Word** Warning

### 3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Modified MDI polymer	1313410-91-0	< 30
Other ingredients determined not to be hazardous	various	> 70
Contains: isocyanates	26447-40-5, 4083-64-1	< 5

### 4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

#### Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

#### Eye Contact

Flush area with large amounts of water until irritation subsides. Seek immediate medical attention.

#### Skin Contact

Flush area with large amounts of water and use soap if available. Remove contaminated clothing, including shoes and laundry before reuse. Seek immediate medical attention for skin irritations.

#### Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

#### First Aid Facilities

Provide eye baths and safety showers

#### Medical Attention

Treat according to symptoms.

### 5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

#### Suitable Extinguishing Media

Water spray, carbon dioxide, dry powder, or chemical foam

#### Hazards from combustion products

Irritant fumes, carbon dioxide and carbon monoxide and isocyanates on combustion

#### Precautions for fire fighters and special protective equipment

Full protective clothing and self-contained breathing apparatus

Hazchem Code N/R

### 6. ACCIDENTAL RELEASE MEASURES

#### Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

#### Methods and materials for containment

##### Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.

- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

**Major Water Spill**

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

This product will not burn unless deliberately lit. Will fuel a fire in progress. Avoid contact with extreme heat and naked flame. Use appropriate industrial hygiene practices.

**Conditions for Safe Storage**

Store in a cool, dry place away from sunlight. Keep container closed and protect packaging from physical damage. Check regularly for product leaks.

**Incompatible Materials**

Do not mix with other chemicals. May form hazardous reactions when combined with other products. Use in accordance with manufacturers instructions.

## 8. EXPOSURE CONTROLS: PERSONAL PROTECTION

**National Exposure Standards**

The time weighted average concentration (TWA) for this product is: None established: consider 5 mg/m<sup>3</sup>, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: None established: consider 5 mg/m<sup>3</sup>, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where Sk applies in this case.

**Biological Limit Values (BLV)**

None established

**Engineering Controls: Ventilation**

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

**Personal Protective Equipment**

**Respiratory Protection:** Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type ‘A’ filter material is considered suitable for this product.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

**Skin/Body Protection:** Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	White paste
Boiling Point/Range	°C	> 300
Flash Point	°C	> 150
SG/Density (@ 20°C)	g/ml; kgm <sup>-3</sup>	1.5
Vapour Pressure @ 20°C	kPa	No data available
Vapour Density @ 40°C	g/ml; kgm <sup>-3</sup>	< 10
Autoignition Temperature	°C	> 300
Explosive Limits in Air	% vol/vol	No data available
Viscosity @ 20°C	cPs, mPas	550
Percent volatiles	% vol/vol	Nil
Acidity/alkalinity as pH	None	No data available
Solubility in Water	g/l	Miscible
Other solvents	-	Alcohols, esters

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable at room temperature and pressure

### Conditions to avoid

Avoid contact with water or alcohols, extreme heat, oxidising agents, amines.

### Hazardous decomposition products

Carbon dioxide and carbon monoxide, heat and nitrogen complexes

### Hazardous reactions

Exothermic reactions with water, alcohols, amines, oxidisers, acids and alkalis

### Hazardous polymerisation

Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects

#### **Ingestion**

Swallowing will result in discomfort, irritation to throat and oesophagus, dizziness, headache, shortness of breath, and a sense of euphoria. Symptoms may lead to central nervous system disorder, nausea, loss of consciousness, and possibly pulmonary oedema.

#### **Eye Contact**

Avoid contact with eyes. Risk of irritation to eye and surrounding tissue. Product will be irritating to eyes resulting in redness, tearing, swelling, and corneal damage.

#### **Skin Contact**

This product is irritating to skin resulting in itchiness, redness, and defatting of the skin. Prolonged exposure to this product without the appropriate PPE may result in irritant contact dermatitis.

#### **Inhalation**

Inhalation of mists of this product will result in symptoms similar to ingestion. This product will be irritating to respiratory system, nose and throat. Discomfort will be temporary if exposure is limited and PPE is worn.

**Chronic Effects**

There is the likelihood of sensitisation to this product through contact and inhalation of vapours (present at elevated temperatures). This product can result in harmful organ effects with prolonged exposure.

**Other Health Effects Information**

Persons with pre-existing liver, respiratory and, or skin conditions may be sensitive to this product.

**Toxicological Information**

Oral LD<sub>50</sub>: No data available, consider: > 5000 mg/kg

Dermal LD<sub>50</sub>: No data available, consider: > 2000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Aquatic Toxicity:**

Fish Toxicity LC<sub>50</sub>: No data available, consider: > 1000 mg/L

Daphnia Magna EC<sub>50</sub>: No data available, consider: > 1000 mg/L

Blue-green algae: No data available, consider: > 1000 mg/L

Green algae: No data available, consider: > 1000 mg/L

**Persistence/Biodegradability:**

Components of this product hydrolyse in the presence of water, acids, and bases.

**Mobility:**

This product is likely to be mobile on dilution.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

**Special Precautions**

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

**14. TRANSPORT INFORMATION**

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	N/R	UN No.	N/R	UN No.	N/R
Proper Shipping Name	Polyurethane adhesive	Proper Shipping Name	Polyurethane adhesive	Proper Shipping Name	Polyurethane adhesive
DG Class	N/R	DG Class	N/R	DG Class	N/R
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	N/R	Packing Group	N/R	Packing Group	N/R
Hazchem	N/R	Hazchem	N/R	Hazchem	N/R

**Dangerous Goods Segregation**

This product is not classified as Dangerous Goods for Transport by Road and Rail.

**15. REGULATORY INFORMATION**

**Country/Region:** Australia

**Inventory:** AICS

Status: Listed

## 16. OTHER INFORMATION

**Reasons for Issue:** New product formulation; amalgamated changes in all sections.

**Abbreviations:**

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

GHS: Global Harmonising System

**References:**

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (20 January 2023)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (20 January 2023)
- Ecotoxicology data: [http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm) (20 January 2023)
- European Chemicals Agency: <https://echa.europa.eu> (20 January 2023)

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact A1 Rubber.

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