

# Material Safety Data Sheet

## POLYEURO® 5502F PART B

**Issue Date** February 2012

**Status** Issued by AUS

Hazardous according to criteria of NOHSC

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### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name** POLYEURO® 5502F PART B

**Product Use** Part B Liquid Component of polyurea coating system.

**Company** Australian Urethane Systems Pty Limited / New Zealand Urethane Systems Limited

**Address** 25 Garling Road Kings Park NSW 2148

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**Facsimile Number** Fax: (02) 9678 9887      ex NZ 0800 230 301

<b>Other Names</b>	<b>Name</b>	<b>Manf. Code</b>
	na	5502F PART B POLYOL

**Other Information**

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### 2. HAZARDS IDENTIFICATION

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Classified as hazardous according to criteria of NOHSC.

HAZARDOUS SUBSTANCE      **Xn** - Harmful      **N** - Dangerous for the environment

**Risk Phrases:**

**R21/22** Harmful in contact with skin and if swallowed..

**R36** Irritating to eyes

**R48/22** Harmful: danger of serious damage to health by prolonged exposure if swallowed.

**R50/53** Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

**Safety Phrases:**

**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S28** After contact with skin, wash immediately with plenty of soap/water.

**S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.

**S60** This material and its container must be disposed of as hazardous waste.

**S61** Avoid release to the environment. Refer to special instructions - Material Safety Data Sheets.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	
	Polyoxypropylene diamine	9046-10-0	> 60%	w/w
	Aromatic Amine	68479-98-1	10 - < 40%	w/w
	Aromatic Diamine	5285 -60-9	10 - < 20%	w/w

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**4. FIRST AID MEASURES**

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<b>Inhalation</b>	Remove subject to fresh air. Vapors can irritate eyes, nose and respiratory passages. Severe overexposure may induce respiratory sensitization with asthma like symptoms. Symptoms include chronic cough, tightness of chest with difficulty in breathing. These symptoms may be immediate or delayed up to several hours after exposure. Chronic exposures may result in permanent decreases in lung function.
<b>Ingestion</b>	Do not induce vomiting if ingested. Consult medical personnel immediately. Causes burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhoea, thirst, weakness and collapse. Aspiration may occur during swallowing and vomiting, resulting in lung damage.
<b>Skin</b>	Wash in flowing water or shower. Immediately remove contaminated clothing and wash before reuse. Skin sensitisation and irritation may develop after repeated and / or prolonged contact. Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation and possible tissue destruction. Product may be absorbed through skin and cause nausea, headache, and general discomfort. Acute / short term effects are not expected from brief skin contact.
<b>Eye</b>	Irrigate with copious flowing water immediately and continuously for 15 minutes. Causes irritation experienced as pain, with excess blinking and tear production, seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.
<b>First Aid Facilities</b>	Eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	No specific antidote. Supportive care.

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**5. FIRE FIGHTING MEASURES**

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<b>Extinguishing Media</b>	Foam, alcohol resistant foam, carbon dioxide and dry chemical.
<b>Specific Precautions</b>	May decompose in heat/fire releasing products of greater hazard. Keep containers cool with water spray. Fire fighters to wear positive pressure self-contained breathing apparatus, safety glasses, boots, gloves and coveralls.
<b>Specific Hazards</b>	High temperatures may cause rupture of sealed containers. Incompatible with oxidising materials and strong acids. Combustion products: organic vapours and thermal decomposition fragments including oxides of nitrogen, carbon monoxide, carbon dioxide, irritating organic and gaseous alkane derivatives may be formed on burning in a limited air supply. Toxic levels of ammonia, combustion products of nitrogen, carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning in a limited air supply.

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**6. ACCIDENTAL RELEASE MEASURES**

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Absorb spilled material with inert absorbent (sand, vermiculite etc.) and put in closed, but not tightly sealed containers for disposal. Do not permit to contaminate waterways, sewers or drains.  
Residual contamination from spills can be cleaned up with a dilute detergent / water solution.  
Avoid skin and eye contact; wear gloves, safety glasses and coveralls.  
Avoid breathing vapours directly.

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**7. HANDLING AND STORAGE**

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<b>Handling</b>	Wear normal industrial safety clothing - impervious PVC gloves, Safety goggles or Face Mask and Coveralls.
<b>Storage</b>	Store in a cool, well ventilated area. Store away from oxidising agents and sources of heat. Keep containers closed at all times.

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 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
 

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<b>Exposure Limits</b>	NIL. Use only in a well ventilated area. Refer to the Exposure Limits details set out in the Material Safety Data Sheet for the PART A [Isocyanate] Component that is used with this product.
<b>Personal Protective Equipment</b>	When spraying wear full protective safety clothing - impervious PVC gloves, Safety goggles or Face Mask and Overalls. Good ventilation is required for use. Refer to Engineering Requirements in MSDS for PART A Component. Always wash hands before smoking, eating, drinking or using toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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 9. PHYSICAL AND CHEMICAL PROPERTIES
 

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<b>Appearance</b>	Viscous amber coloured liquid [ may be pigmented product ]
<b>Odour</b>	Mild odour
<b>pH</b>	Not applicable
<b>Vapour Pressure</b>	NA
<b>Vapour Density [Air = 1]</b>	> 1
<b>Melting Point</b>	Not applicable
<b>Boiling Point</b>	308°C
<b>Solubility in Water</b>	Insoluble
<b>Solubility in Organic Solvents</b>	Slightly soluble
<b>Specific Gravity [Water = 1]</b>	1.03 g/ml (25°C)
<b>Flashpoint</b>	> 100°C (TCC)
<b>Flammability</b>	Flammable      Upper Limit in Air: Not tested      Lower Limit in Air: Not tested

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 10. STABILITY AND REACTIVITY
 

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<b>Stability</b>	Stable under normal exposure conditions.
<b>Hazardous Polymerisation</b>	Will not occur.
<b>Materials to Avoid</b>	Contact with incompatible materials, such as isocyanates, in a closed system may cause liberation of toxic vapors and build up of pressure in sealed containers to cause explosive rupture of the containers.

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 11. TOXICOLOGICAL INFORMATION
 

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<b>Toxicology Information</b>	No toxicity data available.
<b>Inhalation</b>	Vapors irritate eyes, nose and respiratory passages. Severe overexposure may induce respiratory sensitization with asthma like symptoms. Symptoms include chronic cough, tightness of chest with difficulty in breathing. These symptoms may be immediate or delayed up to several hours after exposure. Chronic exposures may result in permanent lung damage.
<b>Ingestion</b>	Irritation / chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion, and injury may be severe and cause death.
<b>Skin</b>	Repeated contact may cause persistent skin irritation or dermatitis.
<b>Eye</b>	May cause slight transient (temporary) eye irritation and reversible hazy/blurred vision. Corneal injury is unlikely.
<b>Chronic Effects</b>	Prolonged or repeated contact may cause skin irritation and sensitisation.

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**12. ECOLOGICAL INFORMATION**

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Avoid contaminating waterways.

**N** Dangerous for the environment.

**R50** Very toxic to aquatic organisms.

**R51** Toxic to aquatic organisms.

**R52** Harmful to aquatic organisms.

**R53** May cause long-term adverse effects in the aquatic environment.

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**13. DISPOSAL CONSIDERATIONS**

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**Liquid Residues**

Small quantities < 20 kgs can be disposed of by reaction with POLYEURO 5502F PART A component in open top containers. Mix in well ventilated area, in small < 2 kg mix quantities. Wear full protective safety equipment / clothing. Allow at least 30 minutes cooling time between each mix to allow the reacted foam to cool before the next mix. After reaction into a solid foam, dispose of in solid waste.

For larger quantities, normally suitable for incineration by an approved agent.

**Containers**

Drain containers to remove ullage material. React off as set out above. Rinse the container with dilute detergent / water solution. Dispose of cleaned container appropriately.

Collect the rinse solution in an open container and absorb onto an inert absorbent material. Allow water to evaporate and dispose of in solid waste.

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**14. TRANSPORT INFORMATION**

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**UN Number** Not applicable

**Proper Shipping Name** Not regulated

**DG Class** -

**Hazchem Code** -

**Packaging Group** -

**EPG Number** -

**IERG Number** -

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**15. REGULATORY INFORMATION**

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**Risk Phrases**

**New Zealand Hazardous Goods Classifications:**

6.1 C / 6.1 D / 6.4 A / 6.9 A / 8.2 C / 8.3 A / 9.1 A / 9.3 B

**Poisons Schedule**

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**Hazard Categories**

**Xn** Harmful      **N** Dangerous for the environment

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**16. OTHER INFORMATION**

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**Issue Date**

February 2012

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END OF MSDS

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