

Material Safety Data Sheet

AUSTHANE POLYOL AUE235

Issue Date November 2008**Status** Issued by AUS

Non Hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name AUSTHANE POLYOL AUE235
Product Use Part A Liquid Component of Polyurethane Foam System
Company Australian Urethane Systems Pty Limited
Address 25 Garling Road Kings Park NSW 2148
Emergency Tel. 1800 039 008 **International:** + 800 2436 2255
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Other Names	Name	Manf. Code
	na	AUE235

Other Information

2. HAZARDS IDENTIFICATION

Non-Hazardous Non-Dangerous Goods
May cause dizziness in conditions of poor ventilation.
Possibly harmful if swallowed, or vapour is intentionally inhaled.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	
	Polyether polyol mixture	9082-00-2	> 60 %	w/w
	Chlorinated Aliphatic Phosphate	13674-84-5	10 - < 30%	w/w
	ecomate® blowing agent [US Patent No. 6,753,357]	Proprietary mixture	< 10%	w/w
	Other ingredients at levels considered not to be hazardous.	Mixture	< 10 %	w/w

4. FIRST AID MEASURES

Inhalation Remove subject to fresh air.
May cause dizziness in conditions of poor ventilation.

Ingestion Do not induce vomiting if ingested. Consult medical personnel immediately.
Single dose toxicity is low.

Skin Wash in flowing water or shower.
Remove contaminated clothing and wash before reuse.
Prolonged or repeated contact may cause skin irritation.

Eye Irrigate with copious flowing water immediately and continuously for 15 minutes.
May cause transient (temporary) eye irritation. Corneal injury is unlikely.
If eye irritation continues, obtain medical attention.

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First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	No specific antidote. Supportive care. May be harmful if swallowed.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Foam, alcohol resistant foam, carbon dioxide, dry chemical and water fog.
Specific Methods	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.
Specific Hazards	Contains a low Boiling Point [31.5°C] liquid. High temperatures may cause rupture of sealed containers. Stable under normal handling and storage conditions. Incompatible with oxidising materials and strong acids.

6. ACCIDENTAL RELEASE MEASURES

Eliminate ignition sources. Immediately contain any liquid spillage with spill containment equipment, dikes of soil / sand / or inert absorbent.

Only allow personnel wearing full protective safety equipment including respiratory equipment, gloves, safety glasses and coveralls to be involved in clean-up.
Avoid skin and eye contact. Do not breathe vapours directly.

Absorb spilled material with inert absorbent (sand, vermiculite etc.) and put in closed 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.

7. HANDLING AND STORAGE

Handling	Wear full protective safety clothing - impervious PVC gloves, Safety goggles or Face Mask and Coveralls and respiratory equipment. Take care when opening drum / container seals in > 30°C temperature conditions or if the container has become pressurised. Ensure good general ventilation when opening drums / handling the product.
Storage	Store in a cool, well ventilated area. Store away from oxidising agents and sources of heat. Keep containers closed at all times.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	Use only in a well ventilated areas
Personal Protective Equipment	Wear full protective safety clothing - impervious PVC gloves, safety goggles or full face mask, coveralls and respiratory protection. . Always wash hands before smoking, eating, drinking or using toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber liquid
Odour	Mild pungent odour
pH	Not applicable
Vapour Pressure	< 50 mm Hg @ 25°C)
Vapour Density [Air = 1]	> 1
Melting Point	Not applicable
Boiling Point	Decomposes at elevated temperatures
Solubility in Water	Slightly soluble
Solubility in Organic Solvents	Slightly soluble
Specific Gravity [Water = 1]	1.07 g/ml (25°C)
Flashpoint	> 35°C (COC, ASTM D-92)
Flammability	Does not sustain combustion.

 10. STABILITY AND REACTIVITY

Stability	Stable
Hazardous Polymerisation	Will not occur.
Materials to Avoid	Reacts with oxidising agents and isocyanates.

 11. TOXICOLOGICAL INFORMATION

Toxicology Information	No information available for this Polyol blend. <i>Information for Component CAS # 13674-84-5 [10 - < 30% w/w]</i> <table> <tr> <td><i>Acute Oral</i></td> <td><i>LD₅₀ [rat]</i></td> <td><i>> 1000 - 3000 mg/kg bw</i></td> </tr> <tr> <td><i>Acute Inhalation</i></td> <td><i>LC₅₀ [rat] 4 hrs</i></td> <td><i>> 4.6 mg/l</i></td> </tr> <tr> <td><i>Acute Dermal</i></td> <td><i>LD₅₀ [rat]</i></td> <td><i>> 5000 mg/kg bw</i></td> </tr> </table>	<i>Acute Oral</i>	<i>LD₅₀ [rat]</i>	<i>> 1000 - 3000 mg/kg bw</i>	<i>Acute Inhalation</i>	<i>LC₅₀ [rat] 4 hrs</i>	<i>> 4.6 mg/l</i>	<i>Acute Dermal</i>	<i>LD₅₀ [rat]</i>	<i>> 5000 mg/kg bw</i>
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Inhalation	Harmful if inhaled. Inhalation of vapour may cause dizziness in conditions of poor ventilation.									
Ingestion	Harmful if swallowed. The hazard of aspirating material into the lungs is greater than the hazard associated with allowing material to progress through the intestinal tract.									
Skin	Prolonged or repeated contact may cause skin irritation.									
Eye	Will cause transient (temporary) eye irritation. Corneal injury is unlikely.									
Chronic Effects	Product is harmful if swallowed or if vapour is intentionally inhaled. Prolonged or repeated contact may cause skin irritation.									

 12. ECOLOGICAL INFORMATION

	Avoid contaminating waterways. No specific data available for Polyol blend. <i>Information for Component CAS # 13674-84-5 [10 - < 30% w/w]</i> <table> <tr> <td><i>Fish, fresh water – Brachydanio rerio:</i></td> <td><i>96 hrs / LC₅₀</i></td> <td><i>56.2 mg/l</i></td> </tr> <tr> <td><i>Daphnia magna [Crustacea]</i></td> <td><i>48 hrs / EC₅₀</i></td> <td><i>65 – 335 mg/l</i></td> </tr> </table>	<i>Fish, fresh water – Brachydanio rerio:</i>	<i>96 hrs / LC₅₀</i>	<i>56.2 mg/l</i>	<i>Daphnia magna [Crustacea]</i>	<i>48 hrs / EC₅₀</i>	<i>65 – 335 mg/l</i>
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Environmental Fate	No data available.						

13. DISPOSAL CONSIDERATIONS

Liquid Residues	<p>Small quantities < 20 kgs can be disposed of by reaction with PMDI Isocyanate in open top containers.</p> <p>Wear full protective safety equipment as detailed in SECTION 8 of this MSDS and the MSDS for the Isocyanate component.</p> <p>Mix in well ventilated area, in < 3 kg mix quantities. 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.</p> <p>For larger quantities, normally suitable for incineration by an approved agent.</p>
Containers	<p>Drain containers to remove ullage material. Rinse the container with dilute detergent / water solution. Dispose of cleaned container appropriately.</p> <p>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.</p> <p>Do not weld or use a cutting torch on or near drums, even if drained. Uncontaminated empty drums will contain residual material which may decompose to emit toxic or irritating fumes if burned or cut with a steel cutting torch.</p>

14. TRANSPORT INFORMATION

	<p>This product is not classified in the Australian Dangerous Goods Code either by reference to a specific substance name or a generic substance name or group in accordance with regulations applicable to combustible liquids.</p>
UN Number	None allocated
Proper Shipping Name	Not applicable
DG Class	Not relevant
Hazchem Code	Not relevant
Packaging Group	Not relevant
EPG Number	Nil
IERG Number	Nil

15. REGULATORY INFORMATION

Risk Phrase	Nil
Safety Phrase	Nil
Poisons Schedule	None allocated
Hazard Category	Non hazardous

16. OTHER INFORMATION

Issue Date	November 2008
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END OF MSDS
