

BITUTHENE® LIQUID MEMBRANE PART B

SAFETY DATA SHEET



1. Identification of the Substance/Mixture and Supplier

Product Name:	BITUTHENE LIQUID MEMBRANE PART B
Uses:	Hardener for specialty construction product
Supplier:	Allco Waterproofing Solutions 5 Te Kea Place, Albany Auckland 0632 New Zealand
Telephone:	+64 9 448 1185
Web:	www.allco.co.nz
Emergency Telephone:	021 441 329
National Poisons Centre Tel:	0800 POISON (0800 764766) – 24 hrs

2. Hazards Identification

HSNO Status:	Classified as hazardous according to the criteria of HSNO.	
DG Status:	Not classified as Dangerous Goods according to NZS 5433.	
Hazard Classifications - GHS	Hazard Statements	GHS Pictogram
Acute toxicity: Inhalation, Cat 4	H332 Harmful if inhaled	
STOT-SE, Cat 3	H335 May cause respiratory irritation	
Skin corrosion/irritation, Cat 2	H315 Causes skin irritation	
Serious eye damage/irritation, Cat 2A	H319 Causes serious eye irritation	
Respiratory sensitisation, Cat 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	
Skin sensitisation, Cat 1	H317 May cause an allergic skin reaction	
Carcinogenicity, Cat 2	H351 Suspected of causing cancer	
STOT-RE, Cat 2	H373 May cause damage to organs through prolonged or repeated exposure	
Signal Word:	DANGER	
PREVENTION STATEMENTS		
P102	Keep out of reach of children.	
P103	Read label before use.	
P201	Obtain special instructions before use.	
P202	Do not handle until all safety precautions have been read and understood.	
P260	Do not breathe mist/vapours/spray.	
P264	Wash thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P285	In case of inadequate ventilation wear respiratory protection.	

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2. Hazards Identification

RESPONSE STATEMENTS

P101	If medical advice is needed, have product container or label at hand.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P362	Take off contaminated clothing and wash before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

STORAGE STATEMENTS

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

DISPOSAL STATEMENTS

P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.
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3. Composition/Information on Ingredients

Chemical Entity	CAS Number	Proportion %w/w
Methylenediphenyl diisocyanate, mixture of isomers	26447-40-5	30-50
Diphenylmethane-4,4'-di-isocyanate	101-68-8	30-50
Terphenyl plasticiser, hydrogenated	61788-32-7	10-20
Triethylphosphate	78-40-0	1.0-3.0

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4. First Aid Measures

Swallowed	If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.
Inhaled	If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.
Eye Contact	If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur. If residue remains, clean with waterless hand cream or abrasive soap. Never use solvents.
Further Information	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.

5. Fire-Fighting Measures

Suitable extinguishing media	In case of fire, use water spray (fog), foam, dry chemical or CO2.
Hazards from the substance	In a fire or if heated, a pressure increase will occur, and the container may burst.
Hazardous combustion products	Decomposition products may include:
Special precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Cool endangered receptacles with water spray. Collect contaminated firefighting water separately. It must not enter the sewage system.
Special protective equipment for fire fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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6. Accidental Release Measures

Personal precautions	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.
Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material. Pick up mechanically, and place in an appropriate waste disposal container. Dispose of via a licensed hazardous waste disposal contractor.

7. Handling and Storage

Handling:	Wear appropriate PPE and ensure there is adequate ventilation and extraction in the work area. Avoid skin or eye contact or breathing in the product. Open and handle receptacle with care. Prevent formation of aerosols. Avoid contact with skin and eyes.
Storage:	Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight.

8. Exposure Control/Personal Protection

Exposure Standards			
Product/Ingredient	WES/TWA	WES/STEL	Reference
Isocyanates (as NCO)	0.02 mg/m ³	0.07 mg/m ³	NZ WES
CAS 61788-32-7	Long-term value: 5 mg/m ³ , 0.5 ppm		REL (USA)
	Long-term value: 4.9 mg/m ³ , 0.5 ppm nonirradiated		TLV (USA)
CAS 78-40-0	Long-term value: 7.45 mg/m ³		WEEL (USA)
Engineering Controls	General ventilation and local exhaust should be suitable to keep vapour concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones.		
Personal Protection	    		
Respiratory	Wear a vapour respirator if insufficient ventilation.		
Eyes	Wear chemical goggles/face shield.		
Hands	Wear chemical gloves – PVC, Polychlorpropene or Nitrile.		
Other	Wear overalls or dust coat. Use PVC apron when handling large quantities.		

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9. Physical and Chemical Properties

PROPERTY	SPECIFICATION
Physical state	Liquid
Colour	According to product specification
Odour	Characteristic
pH	No data
Boiling Pt	208 °C
Flash Pt	212 °C
Melting Pt	No data
Explosive properties	Product does not present an explosion hazard.
Vapour pressure	No data
Density	No data
Viscosity	No data
Ignition temperature	Product is not self-igniting.

10. Stability and Reactivity

Stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No data
Incompatible materials	No data
Hazardous decomposition products	Carbon monoxide and carbon dioxide, possibly HCN. Other potentially hazardous products may also be formed.

11. Toxicological Information

Health Effects – data supplied by manufacturer (GCP), mixture rules applied:	
Classification:	Acute toxicity: Inhalation, Cat 4
Health Effects:	Harmful if inhaled
Classification:	STOT-SE, Cat 3
Health Effects:	May cause respiratory irritation
Classification:	Skin corrosion/irritation, Cat 2
Health Effects:	Causes skin irritation
Classification:	Serious eye damage/irritation, Cat 2A
Health Effects:	Causes serious eye irritation.
Classification:	Respiratory sensitisation, Cat 1
Health Effects:	May cause allergy, asthma symptoms or breathing difficulties if inhaled.
Classification:	Skin Sensitiser, Cat 1
Health Effects:	May cause an allergic skin reaction
Classification:	Carcinogenicity, Cat 2
Health Effects:	Suspected of causing cancer
Classification:	STOT-RE, Cat 2
Health Effects:	May cause damage to organs through prolonged or repeated exposure.

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11. Toxicological Information

Acute Oral Toxicity	Not Classified		
Acute Dermal Toxicity	Not Classified		
Acute Aspiration Toxicity	Not Classified		
Mutagenic	Not Classified		
Reproductive/Development Toxicity	Not Classified		
Toxicity Data			
Product Acute Toxicity Estimate			
ORAL LD50:	>2000 mg/kg		
DERMAL LD50:	>2000 mg/kg		
INHALATION LC50 (dust/mist):	>1.0 - ≤5.0 mg/L/4H		
Ingredient:	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhal. LC50 mg/L/4H
CAS 101-68-8	>10,000 - Rat	>9400 - Rabbit	0.4 – dust/mist - Rat

12. Ecological Information

This product is not classified as Ecotoxic according to the criteria of HSNO.	
Toxicity	Data not available
Persistence & Degradability	Data not available
Mobility	Data not available
Bioaccumulative Potential	Data not available
Other	Not known to be hazardous to water.

13. Disposal Considerations

Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information. Must not be disposed of together with household garbage.

14. Transportation Information

Not regulated for transport	Keep separated from foodstuffs.
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15. Regulatory Information

Group Standard:	HSR002679 - Surface Coatings & Colorants – Carcinogenic
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HSNO CONTROLS

SDS required when any quantity is present in a workplace.

Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace.

Toxic signage required when >10,000L is stored.

Certified Handler	Not Required
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Tracking	Not Required
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All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt.

Any existing national regulations on the handling of dangerous substances should be observed.

Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance.

16. Other Information

HSNO = Hazardous Substances and New Organisms Act.

NZ WES = New Zealand Work Exposure Standard

TWA = Time Weighted Average

STEL = Short Term Exposure Limit

Date of SDS Preparation: 11 November 2025