

Safety Data Sheet
according to WHS Regulations

Date of issue: 06.11.2025

Version Number: 1.0

Revision Date: 06.11.2025

1 Identification

Other means of identification

Trade name: *Bituthene Liquid Membrane Part B*

Relevant identified uses of the substance or mixture, and uses advised against: No further relevant information available.

Relevant identified uses of the substance or mixture: Waterproofing

Identified uses advised against: No further relevant information available.

Details of the supplier of the safety data sheet:

Manufacturer/supplier:

GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia

Tel: 1800 334 444
Fax: +61 7-3275-7801

Further information obtainable from: APMSDS@gcpat.com

Emergency telephone number: After hours - Tel. No. 1800 039 008

2 Hazard(s) Identification

Classification of the substance or mixture:

Acute toxicity - inhalation – Category 4	H332 Harmful if inhaled.
Skin corrosion/irritation – Category 2	H315 Causes skin irritation.
Eye damage/irritation – Category 2A	H319 Causes serious eye irritation.
Respiratory sensitisation – Category 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation – Category 1	H317 May cause an allergic skin reaction.
Carcinogenicity – Category 2	H351 Suspected of causing cancer.
Specific target organ toxicity (single exposure) – Category 3	H335 May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) – Category 1	H372 Causes damage to organs through prolonged or repeated exposure.

Label elements:

GHS label elements The product is classified and labelled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

methylenediphenyl diisocyanate, isomers (30-<50 %)
Diphenylmethane-4,4'-di-isocyanate (30-<50 %)
Methylenebis(isocyanatobenzene) polymer (10-<20 %)

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Hazard statements

Harmful if inhaled.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 May cause an allergic skin reaction.
 Suspected of causing cancer.
 May cause respiratory irritation.
 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wear respiratory protection.
 IF ON SKIN: Wash with plenty of water.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice/attention.
 Call a POISON CENTER/doctor if you feel unwell.
 Get medical advice/attention if you feel unwell.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 Take off contaminated clothing and wash it before reuse.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Information concerning particular hazards for human and environment:

Description of Classification: Classified as hazardous according to the criteria of Safe Work Australia.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB:

61788-32-7	Terphenyl, hydrogenated
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3 Composition and Information on Ingredients

Chemical characterization: Mixture:

Description: Mixture of substances listed below with non-hazardous additions.

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Dangerous components:		
26447-40-5	methylenediphenyl diisocyanate, isomers ----- Acute toxicity - inhalation – Category 1, H330 Respiratory sensitisation – Category 1, H334; Carcinogenicity – Category 2, H351; Specific target organ toxicity (repeated exposure) – Category 1, H372 Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317; Specific target organ toxicity (single exposure) – Category 3, H335	30-<50%
101-68-8	Diphenylmethane-4,4'-di-isocyanate ----- Respiratory sensitisation – Category 1, H334; Carcinogenicity – Category 2, H351; Specific target organ toxicity (repeated exposure) – Category 1, H372 Acute toxicity - inhalation – Category 4, H332; Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317; Specific target organ toxicity (single exposure) – Category 3, H335	30-<50%
61788-32-7	Terphenyl, hydrogenated vPvB	10-<20%
39310-05-9	Methylenebis(isocyanatobenzene) polymer ----- Acute toxicity - inhalation – Category 1, H330 Respiratory sensitisation – Category 1, H334; Carcinogenicity – Category 2, H351; Specific target organ toxicity (repeated exposure) – Category 1, H372 Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317; Specific target organ toxicity (single exposure) – Category 3, H335	10-<20%
26140-60-3	Terphenyl plasticiser unhydrogenated	1-<3%
78-40-0	Triethyl phosphate ----- Acute toxicity - oral – Category 4, H302	1-<3%

Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

General information: Get medical advice/attention if you feel unwell.

After inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF INHALED: Call a doctor if you feel unwell.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

May cause sensitisation by skin contact.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

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5 Fire Fighting Measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

Special hazards arising from the substance or mixture:

During heating or in case of fire poisonous gases are produced.

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

HANDLING

Precautions for safe handling:

Prevent formation of aerosols.

Do not eat, drink or smoke when using this product.

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.

STORAGE

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Keep respiratory protective device available.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Store in a dry place.

Keep cool.

Specific end use(s): No further relevant information available.

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8 Exposure controls and personal protection

Appropriate engineering controls No further data; see section 7.

Ingredients with limit values that require monitoring at the workplace:

26447-40-5 methylenediphenyl diisocyanate, isomers

WES (Australia)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen, as -NCO
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101-68-8 Diphenylmethane-4,4'-di-isocyanate

WES (Australia)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
WEL (Great Britain)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
PEL (USA)	Peak limitation: 0.2 mg/m ³ , 0.02 ppm
REL (USA)	Long-term value: 0.05 mg/m ³ , 0.005 ppm Peak limitation: 0.2* mg/m ³ , 0.02* ppm *10-min
TLV (USA)	Long-term value: 0.051 mg/m ³ , 0.005 ppm

61788-32-7 Terphenyl, hydrogenated

WEL (Great Britain)	Short-term value: 48 mg/m ³ , 5 ppm Long-term value: 19 mg/m ³ , 2 ppm
REL (USA)	Long-term value: 5 mg/m ³ , 0.5 ppm
TLV (USA)	Long-term value: 4.9 mg/m ³ , 0.5 ppm nonirradiated

26140-60-3 Terphenyl plasticiser unhydrogenated

WES (Australia)	Peak limitation: 4.7 mg/m ³ , 0.5 ppm
WEL (Great Britain)	Short-term value: 4.8 mg/m ³ , 0.5 ppm
TLV (USA)	Peak limitation: 5 mg/m ³ , 0.53 ppm

78-40-0 Triethyl phosphate

WEEL (USA)	Long-term value: 7.45 mg/m ³
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Ingredients with biological limit values:

101-68-8 Diphenylmethane-4,4'-di-isocyanate

BMGV (Great Britain)	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
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Additional information: Based on the lists valid at the date of SDS creation.

Appropriate engineering controls Local exhaust ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Atmospheric levels should be maintained below the occupational exposure limits. When atmospheric levels exceed those limits or are unknown, respiratory protection is required.

For hand applications, unless monitoring data confirms that respiratory protection is not necessary, use an approved half-face air purifying respirator equipped with an organic vapor sorbent filter (EU Type A, NIOSH Black, etc.) and particulate pre-filter (EU Type P2, NIOSH N95, etc.).

Isocyanates (contained in this part and when mixed) are known as respiratory sensitisers.

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For emergency response, an approved positive pressure Self Contained Breathing Apparatus (SCBA) or positive pressure air line with auxiliary self-contained air supply is recommended.

Protection of hands: Protective gloves.

Material of gloves: Rubber gloves.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Protective goggles.

Body protection:

Protective work clothing.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

GENERAL INFORMATION

Appearance:

Form: Liquid.

Colour: According to product specification.

Odour: Characteristic.

Odour threshold: Not determined.

pH-value (~): Not determined.

Change in conditions:-

Melting point/Melting range: Undetermined.

Initial boiling point and boiling range: 208 °C

Flash point: 212 °C

Flammability: Not applicable.

Auto-ignition temperature: 520 °C

Decomposition temperature: Not determined.

Ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1 g/cm³

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in/Miscibility with:-

Water: Not miscible or difficult to mix.

Partition coefficient: n-octanol/water: Not determined.

VISCOSITY

Dynamic: Not determined.

Kinematic: Not determined.

Other information:

Particle characteristics: Not applicable.

Physical state: Liquid

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10 Stability and Reactivity

Reactivity:

Stable under normal conditions.
No further relevant information available.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.
No further relevant information available.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY Harmful if inhaled.

LD/LC50 values relevant for classification:

101-68-8 Diphenylmethane-4,4'-di-isocyanate

Oral	LD50	>10,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	LC50, 4h	0.368 mg/l (rat)
	LC50, 1h	2.24 mg/l (rat)

Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Inhalation:

Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Suspected of causing cancer.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

Other information :

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information

Toxicity:

AQUATIC TOXICITY No further relevant information available.

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Persistence and degradability: No further relevant information available.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB:

61788-32-7 | Terphenyl, hydrogenated

13 Disposal considerations

Waste treatment methods:

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Refer to State Land Waste Authority for disposal considerations.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number ADG, IMDG, IATA	Not Regulated
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UN proper shipping name ADG, IMDG, IATA	Not Regulated
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Transport hazard class(es) ADG, ADN, IMDG, IATA Class	Not Regulated
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Packing group ADG, IMDG, IATA	Not Regulated
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Environmental hazards:	Not applicable.
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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated
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15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations: All ingredients are listed on AICS.

Registered in the international inventory lists: AICS (Australia)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

Department issuing SDS:

EHS Department,

Asia Pacific Region

GCP Applied Technologies Operations Center, Inc.,

CTP Asean Tower, Upper Penthouse, Unit 1,

2397 Asean Drive, Spectrum District, Filinvest Alabang, 1781,

Muntinlupa City, Philippines

Tel: + 63 2 8271 2300

The first date of preparation: 20.10.2022

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