

Safety Data Sheet in accordance with HSNO

Date of issue: 28.11.2025

Version Number: 2.0

Revision Date: 28.11.2025

1 Identification of the substance or mixture and of the supplier

Other means of identification

Trade name: ***Silcor 780 HI-LP (Isocyanate)***

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:

CHEMWATCH - 00 800 2436 2255 (free call)

National Poison Centre - 0800 764-766 (0800 POISON)

2 Hazards identification

Classification of the substance or mixture:

Acute inhalation toxicity Category 4

H332 Harmful if inhaled.

Skin irritation Category 2

H315 Causes skin irritation.

Eye irritation Category 2

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 2

H373 May cause 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).

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Hazard pictograms



GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

Diphenylmethane-4,4'-di-isocyanate

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.

May cause 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.

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/hearing protection.

[In case of inadequate ventilation] wear respiratory protection.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep 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 Substance according to the criteria of the New Zealand Hazardous Substance New Organisms legislation.

HSNO Group Standard : Construction Products (Subsidiary Hazard) Group Standard 2017

HSNO Approval Number : HSR002544

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Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/Information on ingredients

Chemical characterization: Mixture:

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

Dangerous components:

101-68-8	Diphenylmethane-4,4'-di-isocyanate Respiratory sensitisation Category 1, H334; Carcinogenicity – Category 2, H351; Specific target organ toxicity - repeated exposure Category 2, H373 Acute inhalation toxicity Category 4, H332; Skin irritation Category 2, H315; Eye irritation Category 2, H319; Skin sensitisation Category 1, H317; Specific target organ toxicity - single exposure Category 3, H335	30-<50%
108-32-7	Propylene carbonate Eye irritation Category 2, H319	10-<20%

4 First aid measures

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

After inhalation:

IF INHALED: Remove person to fresh air and keep 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.

Call for a doctor immediately.

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 packaging.

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.

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Protect from frost.

Store in a dry place.

Keep cool.

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

8 Exposure controls/personal protection

Appropriate engineering controls No further data; see section 7.

Ingredients with limit values that require monitoring at the workplace:

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

WES (New Zealand)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ as -NCO; vapours,mist,dust; dsen,rsen,skin,ifv
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

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 od 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 spray applications in well ventilated areas, use an approved full-face air purifying respirator or a powered air purifying respirator equipped with an organic vapor sorbent filter (EU Type A, NIOSH Black, etc.) and particulate pre-filter (EU Type P2 or P3, NIOSH N95 or better, etc.). An air supplied respirator (EN143) may also be used and is often the preferred option.

Where spray application in poorly ventilated areas is unavoidable, an air supplied respirator (EN143) should be used.

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.).

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

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:



A face shield should also be worn if there is potential exposure to splash or spray.



Protective goggles.

Body protection:

Protective work clothing.

Take off contaminated clothing.

9 Physical and chemical properties

GENERAL INFORMATION

Appearance:

Form:

Liquid.

Colour:

Transparent.

Odour:

Slight Musty

Odour threshold:

Not determined.

pH-value (~):

Not determined.

Change in conditions:-

Melting point/Melting range:

Undetermined.

Initial boiling point and boiling range:

>190 °C

Flash point:

>132 °C

Flammability

Not applicable.

Auto-ignition temperature:

Not determined.

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:

1.11 g/cm³

Vapour density:

Not determined.

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Evaporation rate:	Not determined.
Solubility in/Miscibility with:-	
Water:	Insoluble.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY at 20 °C	700 ± 300 cps
Dynamic:	Not determined.
Kinematic:	Not determined.

Other information:	
Particle characteristics	Not applicable.
Physical state	Liquid

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

May vent and release flammable gas at high temperature.
May explode when exposed to high temperature or heated.

Conditions to avoid:

Avoid contact with incompatible materials and condition.
Avoid accumulation of electrostatic charges, Heating, Flames and hot surfaces.
Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials: Flammable materials, Reducing agents.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide
May emit flammable vapour, fume, hazardous gas if involved in fire.

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)

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Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Inhalation: Harmful 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 May cause damage to organs through prolonged or repeated exposure.

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

12 Ecological information

Toxicity:

AQUATIC TOXICITY No further relevant information available.

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: Not applicable.

13 Disposal considerations

Waste treatment methods:

Recommendation:



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

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UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

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

15 Regulatory information

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

HSNO Approval Number

HSNO Approval numbers

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

HSR003218

Registered in the international inventory lists: NZIoC (New Zealand)

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.

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

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The first date of preparation: 12.01.2023**Number of revision times and the latest revision date:** 2.0 / 28.11.2025**Sources:**

Raw material suppliers' safety data sheets were used as key data sources in the preparation of this safety data sheet.

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