

Safety Data Sheet according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

1 Identification

Product identifier:Trade name: *Silcor 580 (Isocyanate)***Relevant identified uses of the substance or mixture, and uses advised against:**

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

Further information obtainable from:

Tel: 1800 334 444
Fax: +61 7-3275-7801
APMSDS@gcpat.com

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

2 Hazard(s) Identification

Classification of the substance or mixture:

Acute Tox. 2 H330 Fatal if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irritation 2A H319 Causes serious eye irritation.
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

Label elements:**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS06 GHS08

Signal word Danger**Hazard-determining components of labelling:**

poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 1,3-diisocyanatomethylbenzene
Xylene (mixture of isomers)

Hazard statements

Fatal 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.
May cause respiratory irritation.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.

Safety Data Sheet

according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 1)

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 / eye protection / face 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.

Immediately call a POISON CENTER/doctor.

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.

Other hazards:**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:**Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous components:**

9057-91-4	poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 1,3-diisocyanatomethylbenzene	50-<100%
	Acute Tox. 2, H330 Resp. Sens. 1, H334 Skin Irrit. 2, H315; Eye Irritation 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	
1330-20-7	Xylene (mixture of isomers)	5-<10%
	Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	

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

Description of first aid measures:**General information:**

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

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.**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.

(Contd. on page 3)

-AU-

Safety Data Sheet
according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 2)

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.

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.

Advice for firefighters:**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.**Conditions for safe storage, including any incompatibilities:****STORAGE****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.

(Contd. on page 4)

AU

Safety Data Sheet

according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 3)

Keep cool.

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

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

1330-20-7 Xylene (mixture of isomers)

WES (Australia)	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 350 mg/m ³ , 80 ppm
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 20 ppm BEI, A4

Ingredients with biological limit values:

1330-20-7 Xylene (mixture of isomers)

BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
----------------------	--

Additional information: Based on the lists valid at the date of SDS creation.

Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

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:



Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

AU
(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 4)

9 Physical and Chemical Properties

Information on basic 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/freezing point:	Undetermined.
Initial boiling point and boiling range:	>190 °C
Flash point:	234 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

EXPLOSION LIMITS

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.1 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 5,000 ± 2,000 cps

Dynamic: Not determined.

Kinematic: Not determined.

Molecular weight Not determined.

Other information: Residual TDI - < 0.1%

10 Stability and Reactivity

Reactivity:

Stable under normal conditions.

No further relevant information available.

Chemical stability:

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

(Contd. on page 6)

AU

Safety Data Sheet
according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 5)

May emit flammable vapour, fume, hazardous gas if involved in fire.

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:

1330-20-7 Xylene (mixture of isomers)

Oral	LD50	3,523 mg/kg (rat)
Inhalative	LC50, 4h	26 mg/m ³ (rat)

Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Inhalation:

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

May cause respiratory irritation.

Respiratory or skin sensitisation

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

Sensitisation possible through skin contact.

Additional toxicological information:

Toxic

Very toxic

GHS Health Hazards :

Acute Toxicity (Oral) : Category 1 - Fatal if swallowed.

Acute Toxicity (Inhalation) : Category 1 - Fatal if inhaled.

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.

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.

Other adverse effects: No further relevant information available.

-AU-
(Contd. on page 7)

Safety Data Sheet according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 6)

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
-------------------------------------	---------------

UN proper shipping name ADG, IMDG, IATA	Not Regulated
---	---------------

Transport hazard class(es) ADG, ADN, IMDG, IATA Class	Not Regulated
--	---------------

Packing group ADG, IMDG, IATA	Not Regulated
---	---------------

Environmental hazards:	Not applicable.
-------------------------------	-----------------

Special precautions for user:	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:

See Section 2 for hazard identification.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:

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

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:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

(Contd. on page 8)

AU

Safety Data Sheet
according to WHS Regulations

Printing Date: 14.09.2022

Version Number: 1.0

Revision Date: 14.09.2022

Trade name: *Silcor 580 (Isocyanate)*

(Contd. of page 7)

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.
H373 May cause damage to organs through prolonged or repeated exposure.

Department issuing SDS:

EHS Department,
Asia Pacific Region
SCIP, Canlubang, Calamba City, Laguna
Philippines 4028
Tel: +63 (02) 8236-6820 to 24

Contact:**The first date of preparation:** 10.05.2022**Number of revision times and the latest revision date:** 1.0 / 14.09.2022**Sources:** Raw material suppliers' safety data sheets were used as key data sources in the preparation of this safety data sheet.

AU