Safety Data Sheet
according to WHS Regulations

Printing Date: 19.10.2022 **Version Number: 1.0** **Revision Date: 19.10.2022**

1 Identification

Product identifier:

Trade name: ***Silcor Top Coat 80 (Hardener)***

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:

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Acute Tox. 4 H312 Harmful in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 1B H360 May damage fertility or the unborn child.
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

GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:
Hexane, 1,6-diisocyanato-, homopolymer
Xylene (mixture of isomers)
2-ethoxyethyl acetate

Hazard statements
Highly flammable liquid and vapour.
Harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May cause respiratory irritation.

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Printing Date: 19.10.2022 **Version Number: 1.0** **Revision Date: 19.10.2022**

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 1)

Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
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.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description: Flammable

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:		
28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer Acute Tox. 4, H332; Skin Sens. 1, H317 Acute Tox. 5, H313	50-<100%
1330-20-7	Xylene (mixture of isomers) Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	30-<50%
123-86-4	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	5-<10%
111-15-9	2-ethoxyethyl acetate Flam. Liq. 3, H226 Repr. 1B, H360 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	5-<10%

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: Get medical advice/attention if you feel unwell.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 2)

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:

Dizziness

May cause sensitisation by skin contact.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed:

If skin irritation occurs: Get medical advice/attention.

5 Fire Fighting Measures

Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water jet.

Special hazards arising from the substance or mixture:

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

CO, CO2.

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.

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 3)

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

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:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Empty containers may retain hazardous residue, both liquid and vapour. Do not cut, drill, grind or weld on or near container, whether empty or full.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ground/bond container and receiving equipment.

Conditions for safe storage, including any incompatibilities:

STORAGE
Requirements to be met by storerooms and receptacles: Store in a cool location.

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.

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/m³, 150 ppm Long-term value: 350 mg/m³, 80 ppm
WEL (Great Britain)	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
PEL (USA)	Long-term value: 435 mg/m³, 100 ppm
REL (USA)	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV (USA)	Long-term value: 20 ppm BEI, A4
123-86-4 n-butyl acetate	
WES (Australia)	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm
WEL (Great Britain)	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm
PEL (USA)	Long-term value: 710 mg/m³, 150 ppm

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing Date: 19.10.2022 **Version Number: 1.0** **Revision Date: 19.10.2022**

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 4)

REL (USA)	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm
TLV (USA)	Short-term value: 150 ppm Long-term value: 50 ppm
111-15-9 2-ethoxyethyl acetate	
WES (Australia)	Long-term value: 27 mg/m³, 5 ppm Sk
WEL (Great Britain)	Long-term value: 11 mg/m³, 2 ppm Sk
PEL (USA)	Long-term value: 540 mg/m³, 100 ppm Skin
REL (USA)	Long-term value: 2.7 mg/m³, 0.5 ppm Skin
TLV (USA)	Long-term value: 5 ppm Skin; BEI

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
BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
111-15-9 2-ethoxyethyl acetate	
BEI (USA)	100 mg/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: 2-Ethoxyacetic 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.

(Contd. on page 6)

Safety Data Sheet
according to WHS Regulations

Printing Date: 19.10.2022 **Version Number: 1.0** **Revision Date: 19.10.2022**

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 5)

Take off contaminated clothing and wash before reuse.

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:	>126 °C
Flash point:	22 °C
Flammability (solid, gas):	Highly flammable.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	In use, may form flammable/explosive vapour-air mixture.
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	
Dynamic:	Not determined.
Kinematic:	Not determined.
Molecular weight	Not determined.
Other information:	No further relevant information available.

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
No dangerous reactions known.
No further relevant information available.

Conditions to avoid: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Incompatible materials: No further relevant information available.

(Contd. on page 7)

Safety Data Sheet
according to WHS Regulations

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 6)

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:		
28182-81-2 Hexane, 1,6-diisocyanato-, homopolymer		
Oral	LD50	>2,500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
	LD50	>2,000 mg/kg (rat)
Inhalative	LC50, 4h	mg/l (rat)
1330-20-7 Xylene (mixture of isomers)		
Oral	LD50	3,523 mg/kg (rat)
Inhalative	LC50, 4h	26 mg/m³ (rat)
123-86-4 n-butyl acetate		
Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50, 4h	>21 mg/l (rat)
111-15-9 2-ethoxyethyl acetate		
Dermal	LD50	≤3,900 mg/kg (rat)
	LD50	10,300 mg/kg (rabbit)

Primary irritant effect

Skin corrosion/irritation
No irritating effect.
Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Inhalation: Harmful if inhaled.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

GHS Health Hazards :
Reproductive Toxicity : May damage fertility or the unborn child.
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.

(Contd. on page 8)

Safety Data Sheet
according to WHS Regulations

Printing Date: 19.10.2022 **Version Number: 1.0** **Revision Date: 19.10.2022**

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 7)

Other adverse effects: No further relevant information available.

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**	UN1993
UN proper shipping name **ADG, IMDG, IATA**	FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTYL ACETATES)
Transport hazard class(es) **ADG, IMDG, IATA**	
Class **Label**	3 Flammable liquids. 3
Packing group **ADG, IMDG, IATA**	II
Environmental hazards:	Not applicable.
Special precautions for user: **Hazard identification number (Kemler code):** **EMS Number:** **Stowage Category**	Warning: Flammable liquids. 33 F-E,S-E E
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated
Transport/Additional information:	
ADG **Limited quantities (LQ)** **Excepted quantities (EQ)** **Transport category** **Tunnel restriction code**	 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E
IMDG **Limited quantities (LQ)**	 1L

(Contd. on page 9)

Safety Data Sheet
according to WHS Regulations

Printing Date: 19.10.2022 **Version Number: 1.0** **Revision Date: 19.10.2022**

Trade name: *Silcor Top Coat 80 (Hardener)*

(Contd. of page 8)

Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTYL ACETATES), 3, II

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.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360 May damage fertility or the unborn child.

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: 19.10.2022

Number of revision times and the latest revision date: 1.0 / 19.10.2022

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