

Section 1. Identification of the material and the supplier

Product: DOW CORNING(R) PRIMER-C OS
 Product Code: DCPC
 Product Use: Adhesive, binding agent.

Manufacturer/Supplier: Dow Corning Australia Pty Ltd
 Darling Park, Tower 2
 Level 20, 201 Sussex Street
 Sydney. NSW 2000

New Zealand Supplier: **Glasscorp Limited**
Address: **124 Bush Road**
Albany
Auckland
New Zealand

Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)

DOW date of issue: 8/7/2015
 Glasscorp date of issue: 21 January 2016

Section 2. Hazards Identification

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

EPA Approval No: Surface Coatings and Colourants (Flammable, Toxic [6.7]) - HSR002669

Pictograms


Flammable

Irritant

Chronic

Signal Word: **Danger**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Category 2
6.1E (oral)	H303	May be harmful if swallowed.	Category 5
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
6.7B	H351	Suspected of causing cancer	Category 2
6.8B	H361	Suspected of damaging fertility or the	Category 2

Product Name: Dow Corning Primer C OS

Date of MSDS :- 21/01/2016

Page 1

		unborn child	
6.9B (Repeated exposure)	H373	May cause damage to organs through prolonged or repeated exposure	Category 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist or vapours.
P264	Wash exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use CO ₂ , alcohol-resistant foam or dry chemical for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3.	Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Methyl acetate	> 60 - < 100	79-20-9
Methyl methacrylate, 3-(trimethoxysilyl)propyl methacrylate polymer	< 10	26936-30-1
Xylene	< 10	1330-20-7
Ethylbenzene	< 10	100-41-4

Section 4.	First Aid Measures
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Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

Section 5.	Fire Fighting Measures
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Hazard Type	Flammable liquid
Hazards from combustion products	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Silicon oxides. Carbon oxides and traces of incompletely burned carbon compounds.
Suitable Extinguishing media	On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed.
Precautions for firefighters and special protective clothing	A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Eliminate all possible sources of ignition. Follow safe handling advice.

Environmental precautions:

Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapours/mists with a water spray jet.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe mist or vapours.
- Wash exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- Contaminated work clothing should not be allowed out of the workplace.

Precautions for Storage:

- Store away from incompatible materials such as oxidizing agents, strong alkalis, strong acids.
- Store in a well-ventilated place. Keep cool.
- Store locked up and away from children.
- Storage temperature: minimum 5 °C, maximum 25 °C
- Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container.
- Ensure that all equipment is electrically earthed.
- Vapours may form explosive mixtures with air.

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methyl acetate	79-20-9	TWA	200 ppm 606 mg/m ³	AU OEL
		STEL	250 ppm 757 mg/m ³	AU OEL
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
Xylene	1330-20-7	TWA	80 ppm 350 mg/m ³	AU OEL
		STEL	150 ppm 655 mg/m ³	AU OEL
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
Ethylbenzene	100-41-4	STEL	125 ppm 543 mg/m ³	AU OEL
		TWA	100 ppm 434 mg/m ³	AU OEL
		TWA	20 ppm	ACGIH

OEL of Decomposition products:

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methanol	67-56-1	STEL	250 ppm 328 mg/m ³	AU OEL
		Further information: Skin absorption		
		TWA	200 ppm 262 mg/m ³	AU OEL
		Further information: Skin absorption		
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Xylene	1330-20-7	Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
Ethylbenzene	100-41-4	Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or*

narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Minimize workplace exposure concentrations.
Use only in an area equipped with explosion proof exhaust ventilation.
Use with local exhaust ventilation.

Personal Protection

Eyes	Wear goggles with side shields. Avoid wearing contact lenses.
Hands and Skin	Anti-static Chemical protective gloves or gauntlets should be worn and removed correctly to avoid skin contamination. Wear impervious overalls in circumstances where significant skin contact can occur.
Respiratory	Contact with water or humid air will form methanol. Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded. A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.
Hygiene	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Remove contaminated clothing immediately.

Section 9 Physical and Chemical Properties

Appearance	Colourless Liquid
Odour	Solvent-like
Odour Threshold	Not available
pH	Not applicable
Boiling Point	57 °C
Melting Point	Not available
Freezing Point	Not available
Flash Point	-4 °C (Closed Cup)
Flammability	Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	0.9
Soluble in water	Not soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	1 mm ² /s
Particle Characteristics	Not applicable
Oxidizing Properties	No

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Eliminate all possible sources of ignition. Exposure to moisture.
Incompatible Materials	Oxidizing agents, strong alkalis, strong acids.
Hazardous Decomposition Products	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon oxides. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Will decompose into methanol on contact with water or humid air.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Forms methanol. Swallowing large amounts may cause systemic adverse effects and blindness. Swallowing large amounts may cause systemic adverse effects.
Dermal	Not applicable.
Inhalation	May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness. Inhalation of large amount may cause systemic adverse effect.
Eye	Causes severe damage to eyes.
Skin	Causes skin irritation. Can irritate on prolonged or repeated contact.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to the bladder through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	This product hydrolyses in water or moist air, releasing methanol and organosilicons. Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.
Bioaccumulation	No bioaccumulation potential.
Mobility in Soil	Removed > 90% by binding onto sewage sludge. May cause adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Place recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations.

Precautions: Ensure waste container containing recovered product is labelled "Hazardous Waste – Flammable".

Disposal methods to avoid: None known.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

UN No: 1993
Class-primary 3
Packing Group II
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Methyltrimethoxysilane / Methanol)

Air Transport

UN No: 1993
Class-primary 3
Packing Group II
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Methyltrimethoxysilane / Methanol)

Marine Transport

UN No: 1993
Class-primary 3
Packing Group II
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Methyltrimethoxysilane / Methanol)

Section 15 Regulatory Information

EPA Approval Code:
Surface Coatings and Colourants (Flammable, Toxic [6.7]) - HSR002669

HSNO Classification: 3.1B, 6.1E (oral), 6.3A, 6.4A, 6.7B, 6.8B, 6.9B

HSNO Controls:
Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	250L (>5L), 500L(<5L), 50L open
Location Certificate	500L (>5L), 1500L(<5L), 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L (3.1B)
Secondary Containment	1000L (3.1B)
Restriction of Use	None

Section 16	Other Information
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Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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