

Section 1. Identification of the material and the supplier

Product: **DOW CORNING(R) 580 Glass, Metal & Masonry Sealant - Translucent**
Product Code: DC580TR
Product Use: Sealant and adhesive

Manufacturer: Dow Corning Australia Pty Ltd.
Darling Park, Tower 2
Level 20, 201 Sussex St, Sydney
Australia

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

Dow Corning date of issue: 6 April 2011 version 2.4 (original SDS)
Glasscorp date of issue: 17 December 2012

Section 2. Hazards Identification

This substance is classified as a dangerous good according to NZS5433: 2012

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

EPA Approval Code and Group Standard: Surface Coatings and Colourants (Corrosive) HSR002658

Label pictograms: (for information only):



Corrosive

Classification 8.2C, 8.3A

Hazard Code	Hazard Statement
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P260	Do not breathe fumes or vapours.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage Code	Storage Statement
P405	Store locked up.
Disposal Code	Disposal Statement
P501	Dispose of unwanted material as a hazardous waste in accordance with national regulations and local by-laws.

Section 3.	Composition / Information on Ingredients
-------------------	---

Ingredients	Wt%	CAS NUMBER.
Methyl tri(ethylmethylketoxime) silane	<10	22984-54-9
Gamma-Aminopropyl Trithoxysilane	<10	919-30-2
Dimethyl tin di-neodecyl ester	<1	68928-76-7
Non hazardous substances	To balance	

Section 4.	First Aid Measures
-------------------	---------------------------

Routes of Exposure:

Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if needed
IF IN EYES:	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if needed.
IF ON SKIN (or hair):	Remove/Take off immediately all contaminated clothing. Rinse skin with water. If irritation occurs get medical attention.
IF SWALLOWED:	Rinse mouth. Do NOT induce vomiting. Never give anything to the mouth of an unconscious person. Obtain medical attention.

Section 5.	Fire Fighting Measures
-------------------	-------------------------------

Hazard Type	Corrosive
Hazards from decomposition products	None
Suitable Extinguishing media	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers. Unsuitable extinguishing Media: Water. Do not allow extinguishing medium to contact container contents.
Precautions for	Determine the need to evacuate or isolate the area according to your local

firefighters and special protective clothing	emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
HAZCHEM CODE	2X

Section 6. Accidental Release Measures

Leak or Spillage

Observe all personal protective equipment recommendations described in this SDS. If diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which laws and regulations are applicable.

Section 7. Handling and Storage

Precautions for safe handling:

Use with adequate ventilation. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines or use respiratory protection. Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control methyl alcohol exposures within exposure guidelines or use air-supplied or self-contained breathing apparatus. Avoid skin and eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Remove contaminated clothing immediately. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Precautions for safe Storage:

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Name	CAS-No.	Exposure Limits
Dimethyl tin di-neodecyl ester	68928-76-7	TWA 0.1 mg/m ³ as Sn. STEL 0.2 mg/m ³ as Sn. Can be absorbed through the skin. Observe organic tin compounds limits. OSHA PEL and ACGIH TLV-skin: TWA 0.1 mg/m ³ ; ACGIH STEL 0.2 mg/m ³ . No biological limit allocated.

Ethyl methyl ketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within the following exposure guidelines: Vendor guide TWA: 3 ppm, STEL: 10 ppm. Ethyl alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL (final rule): TWA 1000 ppm and ACGIH TLV: STEL 1000 ppm.

Engineering Controls:

Local & General ventilation is recommended

Personal Protective Equipment:

Respiratory protection Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator Organic Vapour Type.



Hand Protection	Butyl Rubber. Natural Rubber. Neoprene Rubber(R). Nitrile Rubber.
Eye/face Protection	Use proper protection - safety glasses as a minimum.
Skin Protection	Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.
Hygiene measures	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Remove contaminated clothing immediately.
Additional information	These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

Section 9 Physical and Chemical Properties

Appearance	Translucent White Paste
Odour	Some odor
Melting Point	Not available
Specific Gravity	1.03
Flash Point	Not applicable

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	None known
Incompatibility	Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form
Hazardous Decomposition	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides. Metal Oxides

Section 11 Toxicological Information

Acute toxicity:

On contact with eyes	Direct contact may cause serious eye damage.
On skin contact	May cause skin burns.
If inhaled	Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.
On ingestion	Low ingestion hazard in normal use. Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.

Chronic toxicity:

On skin contact	Repeated skin contact may cause allergic skin reaction. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin burns and damage .
If inhaled	Overexposure by inhalation may injure the following organ(s): Blood. Liver.
On ingestion	Repeated ingestion or swallowing large amounts may injure internally.

Other hazard information:

During use of the material, small amounts of methylethylketoxime (MEKO) will be released. Long-term or repeated exposure to high concentrations of oxime-silanes may cause narcotic type effects on the nervous system, harmful effects on the blood (anemia) and irritate nasal passages, but these effects are reversible and not considered serious. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed significant increases in liver tumor rates.

Section 12. Ecotoxicological Information

Ecotoxicity effects: No adverse effects on aquatic organisms are predicted.

Persistence and degradability: Solid material, insoluble in water. No adverse effects are predicted

Bioaccumulation: No bioaccumulation potential.

Release to waters / Mobility in soil: No adverse effects on bacteria are predicted.

Section 13. Disposal Considerations

Dispose of in accordance with relevant local legislation.

Section 14 Transport Information

The manufacturer has stated that this product is classified as a Dangerous Good for transport in NZ; (NZS 5433:2012)

Road and Rail Transport

UN No: 1760
 Class-primary 8
 Packing Group III
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S

Air Transport

UN No: 1760
 Class-primary 8
 Packing Group III
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S

Marine Transport

UN No: 1760
 Class-primary 8
 Packing Group III
 Proper Shipping Name: CORROSIVE LIQUID, N.O.S

Section 15 Regulatory Information

EPA Approval Code: Surface Coatings and Colourants (Corrosive) HSR002658

HSNO Classification: 8.2C, 8.3A

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L/kg
Emergency Response Plan trigger Quantities	10 000L/kg

Section 16**Other Information**

1. Hazardous Substances Data Bank (HSDB), a database of the National Library of Medicine's TOXNET system (<http://toxnet.nlm.nih.gov>).
2. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer This document has been issued by Glasscorp Limited and serves as the product Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Glasscorp Limited by the Manufacturer and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Glasscorp Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Glasscorp Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact Glasscorp Limited, if further information is required.

Issue Date: 17 December 2012

Review Date: 17 December 2017