

Section 1. Identification of the material and the supplier

Product: DOW CORNING(R) 680 Sanitary Sealant Translucent
Product Code: DC680TR
Product Use: Sealant and adhesive

Manufacturer: Dow Corning Korea Ltd
 690-1, Kwangkaewon-ri, Kwanghaewon-myon
 Chungbuk, Korea

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: 15 July 2011 version 1.2 (original SDS)
Glasscorp date of issue: 21 November 2012

Section 2. Hazards Identification

This substance is not classified as a dangerous good according to NZS5433: 2007

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

EPA Approval Code and Group Standard: Surface Coatings and Colourants (Toxic [6.7]) HSR002679

Label pictograms: (for information only):

Product is imported and current product label is deemed compliant under the assigned HSNO Group Standard.



Classification 6.3A, 6.4A, 6.5B, 6.7B

Hazard Code	Hazard Statement
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer

Prevention Code	Prevention Statement
P103	Read label before use.
P104	Read safety data sheet before use
P202	Do not handle until all safety precautions have been read and understood.

P261	Avoid breathing fumes and vapours
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective clothing and equipment
Response code	Response Statement
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P363	Wash contaminated clothing before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
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.
Hydrotreated middle petroleum distillates	5 - <10	64742-46-7
Methyl tri(ethylmethylketoxime) silane	1 - <5	22984-54-9
Vinyltri (methylethylketoxime) silane	1 - <5	2224-33-1
Methylethylketoxime	0.1 - <1	96-29-7
10,10- Oxydiphenoxarsine	0.1	58-36-6

Section 4. First Aid Measures

Recommended on site emergency facilities:- Eyewash and normal washroom facilities.

Routes of Exposure:

Inhalation:	Remove affected person to fresh air, seek medical advice if needed.
If in Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin (or hair):	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice if needed.
If swallowed:	Do not induce vomiting. Rinse mouth with water. Call a POISONCENTER 0800 764 766 or doctor/physician if you feel unwell.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from decomposition products	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides.
Suitable Extinguishing media	On large fires use dry chemical or foam. On small fires use CO2 or dry chemical Use water spray to cool fire-exposed containers.
Precautions for firefighters and	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-

special protective clothing	contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Avoid skin and eye contact. Do not breathe vapour. Do not take internally. Do not allow large quantities to enter drains or surface waters.

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. Avoid skin and eye contact. Do not breathe vapour. 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)

Substance	CAS #	TWA/STEL
Hydrotreated middle petroleum distillates	64742-46-7	Observe oil mist limits. OSHA PEL (final rule) and ACGIH TLV: TWA 5 mg/m ³ ; ACGIH STEL 10 mg/m ³
Methyl tri(ethylmethylketoxime) silane	22984-54-9	See ethyl methyl ketoxime comments.
Vinyltri (methylethylketoxime) silane	2224-33-1	See ethyl methyl ketoxime comments.
Methylethylketoxime	96-29-7	Vendor guide: TWA 3 ppm, STEL 10 ppm.
10,10-Oxydiphenoxarsine	58-36-6	Korea OEL: TWA 0.2 mg/m ³ as As. None established.

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.

Engineering Controls: General and Local 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 Vapor Type.

Hand Protection:

Chemical protective gloves should be worn.

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:

Remove contaminated clothing immediately. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Additional Information:

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.

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	0.985
Flash Point	>100°C (cup closed)

Section 10.	Stability and Reactivity
--------------------	---------------------------------

Chemical Stability	Sable under normal conditions.
Conditions to Avoid	Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form.
Incompatibility	Avoid contact with strong oxidising agents.
Hazardous Decomposition	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides.

Section 11	Toxicological Information
-------------------	----------------------------------

Acute Toxicity

Methylethylketoxime	LD50: 2,326 mg/kg - Oral Rat LD50: < 1,800 mg/kg - Dermal Rabbit
On contact with eyes:	Causes serious eye irritation.
On skin contact :	May cause moderate irritation. Repeated skin contact may cause allergic skin reaction.
If inhaled:	Irritates respiratory passages very slightly. Vapours evolved during curing may cause dizziness.amount may cause systemic adverse effect.
On ingestion :	Low ingestion hazard in normal use

Chronic Toxicity

On skin contact :	Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.
If inhaled :	Prolonged or repeated inhalation may injure internally
On ingestion :	Repeated ingestion or swallowing large amounts may injure internally.
On skin contact :	Can irritate on prolonged or repeated contact. Repeated contact can cause sensitization and allergic dermatitis. Prolonged or repeated dermal contact may cause systemic adverse effect.

Other:

During use of the material, small amount 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.

Carcinogenicity:

Methylethylketoxime	Cas No: 96-29-7	0.1 - <1	Annex I of EU Directive 67/548/EEC - Carc. Cat. 3 (Substances which cause concern for man owing to possible carcinogenic effects).
---------------------	-----------------	----------	--

Section 12. Ecotoxicological Information

Ecotoxicity effects:	Harmful to aquatic life. However, due to the physical form and water-insolubility of the product the bioavailability is negligible.
Persistence and degradability:	This product is a solid and does not contain significant concentrations constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.
Bioaccumulation:	No bioaccumulation potential. This product is a solid which is not soluble in water and if ingested will not be absorbed.
Release to waters / 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.

Section 13. Disposal Considerations

Dispose of in accordance with relevant local legislation.

Section 14 Transport Information

This substance is not classified as a dangerous good according to NZS5433: 2007

Section 15 Regulatory Information

HSNO Classification	6.3A, 6.4A, 6.5B, 6.7B
EPA Approval Code:	Surface Coatings and Colourants(Toxic[6.7]) - HSR 002679

HSNO Controls:
Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	Not required
Emergency Response Plan trigger Quantities	10 000L(6.7B)

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.

Please contact Glasscorp Limited, if further information is required.

Issue Date: 21 November 2012

Review Date: 21 November 2017