

DOW CORNING(R) 1080 OXIME SEALANT - WHITE**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER****1.1 Product Details**

Product Name: DOW CORNING(R) 1080 OXIME SEALANT - WHITE
Other Name: Silicone Sealant
Company Product Code: 02184206
Proper Shipping Name: Not applicable.
Recommended Use: Sealant and adhesive

1.2 Company Details

Manufacturer/Supplier: Dow Corning Australia Pty Ltd
Address: 3 Innovation Road, North Ryde, NSW 2113, Australia
Telephone Number: 1300-360-732
Emergency Telephone Number: 1300-360-732

2. HAZARD IDENTIFICATION

- 2.1 Hazard Classification:** Hazardous Substance. Non-Dangerous Goods.
- 2.2 Risk Phrase(s):** May cause sensitization by skin contact.
- 2.3 Safety Phrase(s):** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing and gloves.
Use only in well-ventilated areas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion %</u>
Methyl tri(ethylmethylketoxime) silane	22984-54-9	<10
Methylethylketoxime	96-29-7	<10
Di (ethylmethylketoxime) methoxymethyl silane	83817-72-5	<10
Gamma-Aminopropyl triethoxysilane	919-30-2	<10
Dibutyltin dilaurate	77-58-7	<1
Ingredients determined not to be hazardous to 100%		

4. FIRST AID MEASURES**4.1 First Aid Measures:**

Ingestion: Get medical attention.

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Eye: Immediately flush with water for 15 minutes. Get medical attention.
Skin: Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.
Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

4.2 Medical Attention and Special Treatment Needed:

First Aid Facilities: None should be required.
Comments: Treat according to person's condition and specifics of exposure.
Note to physicians: Treat Symptomatically. For further information, the Medical Practitioner should contact Dow Corning Australia Pty Ltd.

5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media:** On large fires use dry chemical or foam. On small fires use CO2 or dry chemical. Water can be used to cool fire exposed containers.
- 5.2 Hazards From Combustion Products:** Metal oxides. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Formaldehyde.
- 5.3 Precautions For Fire Fighters and Special Protective Equipment:** 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-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
- 5.4 Hazchem Code:** Not applicable.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Emergency Procedures:** Not applicable.
- 6.2 Methods and Materials for Containment and Clean Up Procedures:** Observe all personal protective equipment recommendations described in this MSDS. 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 absorbant 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 cleanup of releases. You will need to determine which laws and regulations are applicable.

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7. HANDLING AND STORAGE

- 7.1 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.
- 7.2 Conditions for Safe Storage:** Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Standards:

IngredientsExposure LimitsMethyl
tri(ethylmethylketoxime)
silaneSee ethyl methyl ketoxime comments.
No biological limit allocated.

Methylethylketoxime

Vendor guide: TWA 3 ppm, STEL 10 ppm.
No biological limit allocated.Di (ethylmethylketoxime)
methoxymethyl silaneSee methyl alcohol and ethyl methyl ketoxime comments.
No biological limit allocated.Gamma-Aminopropyl
triethoxysilaneSee ethyl alcohol comments.
No biological limit allocated.

Dibutyltin dilaurate

Australia: TWA 0.1 mg/m³ as Sn. STEL 0.2 mg/m³ as Sn. Can be absorbed through the skin. TWA 2 mg/m³ as Sn. Observe organic tin compounds limits. OSHA PEL and ACGIH TLV-skin: TWA 0.1 mg/m³; ACGIH STEL 0.2 mg/m³.
No biological limit allocated.

Ethyl alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL and ACGIH TLV: TWA 1000 ppm. Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of Worksafe Australia: TWA 200 ppm, STEL, 250 ppm, skin absorption; OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm. 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.

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Local Ventilation: Recommended.
General Ventilation: Recommended.

8.3 Personal Protective Equipment:

Respiratory: 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: Butyl Rubber. Natural Rubber. Neoprene Rubber(R). Nitrile Rubber.

Eye: Use proper protection - safety glasses as a minimum.

Skin: 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.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form: Paste

9.2 Colour: White

9.3 Odour: Some odor

9.4 pH: Not determined.

9.5 Vapour Pressure @ 25°C: Not determined.

9.6 Vapour Density (air=1): Not determined.

9.7 Boiling Point: Not determined.

9.8 Melting Point: Not determined.

9.9 Solubility in Water: Not determined.

9.10 Specific Gravity @ 25°C: 1.03

9.11 Flash Point: Not applicable.

9.12 Upper Flammability Limit: Not determined.

9.13 Lower Flammability Limit: Not determined.

9.14 Autoignition Temperature: Not determined.

9.15 Viscosity: Not determined.

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1 Chemical Stability: Stable.

10.2 Conditions to avoid: None.

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- 10.3 Incompatible Materials:** Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form.
- 10.4 Hazardous Decomposition Products:** Metal oxides. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Formaldehyde.
- 10.5 Hazardous Reactions :** Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 Possible Routes of Exposure Inhalation Skin Contact Ingestion

11.2 Possible Health Effects:Acute

Ingestion: Low ingestion hazard in normal use. Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.

Eye: Direct contact may cause moderate irritation.

Skin: May cause moderate irritation.

Inhalation: Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.

Chronic

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

Skin: Repeated or prolonged exposure may irritate seriously. Repeated skin contact may cause allergic skin reaction.

Inhalation: Overexposure by inhalation may injure the following organ(s): Blood. Liver.

Other Health Hazard Information: Contains Methyl Ethyl Ketoxime (MEKO). Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

12. ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution:

Solid material, insoluble in water. No adverse effects are predicted.

12.2 Ecotoxicity:

No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential.

DOW CORNING(R) 1080 OXIME SEALANT - WHITE**12.3 Fate and Effects in Waste Water Treatment Plants:**

No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Dispose of in accordance with local regulations.

13.2 Special Precautions for Landfill or Incineration: None known.

14. TRANSPORT INFORMATION

14.1 UN No.: Not applicable.

14.2 Proper Shipping Name: Not applicable.

14.3 Class: Not applicable.

14.4 Packing Group: Not applicable.

14.5 Hazchem Code: Not applicable.

14.6 Sea transport (IMDG)
Not subject to IMDG code.

14.7 Air Transport (IATA-DGR)
Not subject to IATA regulations.

15. REGULATORY INFORMATION

15.1 SUSDP Poisons Schedule Number: None allocated.

15.2 Prohibition/Licensing Requirements: There are no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

15.3 Industrial Chemicals (Notification and Assessment) Act 1989: All ingredients listed or exempt.

15.4 HSNO Approval Code: HSR002679

15.5 Chemical Inventories:

EINECS: All ingredients listed or exempt.

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

IECSC: All ingredients listed or exempt.

KECL: All ingredients listed, exempt or notified.

HSNO: All ingredients listed or exempt.

PICCS: All ingredients listed or exempt.

DSL: All chemical substances in this material are included on or exempted from the DSL.

MITI: Not determined.

DOW CORNING(R) 1080 OXIME SEALANT - WHITE**16. OTHER INFORMATION****Contact Point:** Product Safety Manager - 1300-360-732**Prepared by:** Dow Corning Australia Pty Ltd

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this Company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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