

DOW CORNING(R) 890-SL SILICONE JOINT SEALANT**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER****1.1 Product Details**

Product Name: DOW CORNING(R) 890-SL SILICONE JOINT SEALANT
Other Name: Silicone elastomer
Company Product Code: 04105659
Proper Shipping Name: Not applicable.
Recommended Use: Sealant

1.2 Company Details

Manufacturer/Supplier: Dow Corning Australia Pty Ltd, ABN 36 008 444 166
Address: Darling Park, Tower 2 Locked Bag 2095
 Level 20, 201 Sussex Street North Ryde NSW 1670
 Sydney NSW 2000
24/7 Emergency Telephone Number: 1300-360-732

2. HAZARD IDENTIFICATION

- 2.1 Hazard Classification:** Non-Hazardous Substance. Non-Dangerous Goods.
2.2 Risk Phrase(s): Not hazardous.
2.3 Safety Phrase(s): Avoid contact with skin and eyes.
 Use only in well-ventilated areas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion %</u>
Calcium carbonate	471-34-1	30 - 60
Methylvinyl bis(N-ethylacetamido)silane	87855-59-2	<10
Dimethyl, methyldiethylaminoxysiloxane	68952-53-4	<10
Ingredients determined not to be hazardous to 100%		

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

Ingestion: Get medical attention.
Eye: Immediately flush with water for 15 minutes. Get medical attention.
Skin: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

DOW CORNING(R) 890-SL SILICONE JOINT SEALANT**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, 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.
5.2 Unsuitable Extinguishing Media:	None established.
5.3 Hazards From Combustion Products:	None.
5.4 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.
5.5 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:	Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. 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.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	Use with adequate ventilation. Avoid skin and eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
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7.2 Conditions for Safe Storage: Use reasonable care and store away from oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Exposure Standards:****Ingredients****Exposure Limits**

Calcium carbonate

Observe particulate limits. OSHA PEL: TWA 15 mg/m³ total dust, 5 mg/m³ respirable fraction. ACGIH TLV: TWA 10 mg/m³ inhalable particulate, 3 mg/m³ respirable particulate.
No biological limit allocated.

Methylvinyl
bis(N-ethylacetamido)silane

None established.
No biological limit allocated.

Dimethyl,
methyldiethylaminoxysiloxan
e

None established.
No biological limit allocated.

8.2 Engineering Controls:

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: Chemical protective gloves should be worn.

Eye: Use chemical worker's goggles.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. 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. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form: Liquid
9.2 Colour: Charcoal
9.3 Odour: Amine-like odor
9.4 pH: Not determined.
9.5 Vapour Pressure @ 25°C: Not determined.
9.6 Vapour Density (air=1): Not determined.

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9.7	Boiling Point:	> 35 °C
9.8	Melting Point:	Not determined.
9.9	Solubility in Water:	Not determined.
9.10	Specific Gravity @ 25°C:	1.3
9.11	Flash Point:	100 °C (Pensky-Martens Closed Cup)
9.12	Upper Flammability Limit:	Not determined.
9.13	Lower Flammability Limit:	Not determined.
9.14	Autoignition Temperature:	Not determined.
9.15	Viscosity:	300000 mm ² /s

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.
10.3	Incompatible Materials:	Can react with strong oxidising agents.
10.4	Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Metal oxides. Nitrogen oxides. Quartz.
10.5	Hazardous Reactions :	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1	Possible Routes of Exposure	[X] Inhalation	[X] Skin Contact	[X] Ingestion
11.2	Possible Health Effects:			
	<u>Acute</u>			
	Ingestion:	Low ingestion hazard in normal use.		
	Eye:	Direct contact may cause moderate irritation.		
	Skin:	May cause mild irritation.		
	Inhalation:	Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.		
	<u>Chronic</u>			
	Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.		
	Skin:	Repeated or prolonged exposure may cause irritation.		
	Inhalation:	Prolonged or repeated exposure by inhalation may injure internally.		

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Other Health Hazard Information: No known applicable information.

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:**

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

12.2 Ecotoxicity:

No adverse effects on aquatic organisms.

Bioaccumulation: No bioaccumulation potential.

12.3 Fate and Effects in Waste Water Treatment Plants:

Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

12.4 Additional Environmental Information

Degradation: Additional environmental information on the silicone component is available on request.

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.

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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:	HSR002670
15.5	Chemical Inventories:	
	EINECS:	Not determined.
	TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
	IECSC:	This product contains one or more components that may not be listed on the IECSC inventory, but this component(s) is registered as low volume notification under Dow Corning entity in China. Permission to manufacture or import this product into China is limited to the low volume notification submitter.
	KECL:	All ingredients listed, exempt or notified.
	PICCS:	One or more ingredients are not listed or exempt.
	DSL:	A chemical substance(s) in the material is not listed DSL but 1) meets the low volume exemption or 2) a New Substance Notification has been filed with Environment Canada. Contact your local Dow Corning Office.
	HSNO:	All ingredients listed or exempt.
	ENCs/ISHL:	Not determined.

16. OTHER INFORMATION

Contact Point: Product Safety Specialist - 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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