

Dow Corning Australia Pty Ltd  
Material Safety Data Sheet

## DOW CORNING(R) 111 VALVE LUBRICANT &amp; SEALANT

## STATEMENT OF HAZARDOUS NATURE:

Not classified as hazardous according to criteria of Worksafe Australia.

## COMPANY DETAILS

- 1.1 **Company:** Dow Corning Australia Pty Ltd., A.C.N. 088 444 166  
 1.2 **Address:** 423 Pennant Hills Road, Pennant Hills, NSW 2120, Australia  
 1.3 **Telephone Number:** 1300-360-732  
 1.4 **Emergency Telephone Number (within Australia):** 1300-360-732  
**(from outside Australia):** 61-1300-360-732

## Physical Properties

- 2.1 **Product Name:** DOW CORNING(R) 111 VALVE LUBRICANT & SEALANT  
 2.2 **Other Name:** Silicone grease.  
 2.3 **Manufacturer's Product Code:** 02240785  
 2.4 **Correct Shipping Name:** Not applicable.  
 2.5 **UN No.:** Not applicable.  
 2.6 **Dangerous Goods (Class and Subs Risk):** Not applicable.  
 2.7 **ICAO Dangerous Goods Class:** Not subject to ICAO regulations.  
 2.8 **IMDG Dangerous Goods Class:** Not subject to IMDG code.  
 2.9 **Hazchem Code:** Not applicable.  
 2.10 **Poisons Schedule Number:** Not applicable.  
 2.11 **Use:** Lubricant  
 2.12 **Physical Description/Properties**  
 Physical Form: Grease  
 Colour: Translucent white  
 Odour: Odorless  
 Boiling Point: Not determined.  
 Melting Point: Not determined.  
 Vapour Pressure: Not determined.  
 Specific Gravity @ 25°C: 1.1  
 Flash Point: > 101.1 °C  
 Lower Flammability Limit: Not determined.  
 Upper Flammability Limit: Not determined.  
 Solubility in Water: Not determined.  
 Volatile Content: Not determined.  
 2.13 **Other Properties**  
 Viscosity: Not determined.  
 Vapour Density: Not determined.  
 pH: Not determined.

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Autoignition temperature: Not determined.

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

## 2.14 Ingredients:

| Chemical Name                         | CAS Number | Proportion % |
|---------------------------------------|------------|--------------|
| Polydimethylsiloxane                  | 63148-62-9 | >60          |
| Silica, amorphous                     | 7631-86-9  | <10          |
| Dimethyl siloxane, hydroxy-terminated | 70131-67-8 | <10          |

Ingredients determined not to be hazardous to 100%

## 3.1 Health Effects

*Acute*

|             |   |
|-------------|---|
| Ingestion:  | Low ingestion hazard in normal use.                                   |
| Eye:        | Direct contact may cause temporary redness and discomfort.            |
| Skin:       | No significant irritation expected from a single short-term exposure. |
| Inhalation: | No significant effects expected from a single short-term exposure.    |

*Chronic*

|             |   |
|-------------|---|
| Ingestion:  | Repeated ingestion or swallowing large amounts may injure internally. |
| Skin:       | No known applicable information.                                      |
| Inhalation: | No known applicable information.                                      |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| 3.2 Mutagenic Effects:               | None known.                      |
| 3.3 Reproductive Effects:            | None known.                      |
| 3.4 Carcinogenic Effects:            | None known.                      |
| 3.5 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.

## 3.6 First Aid

|                       |                                |
|-----------------------|--------------------------------|
| Ingestion:            | No first aid should be needed. |
| Eye:                  | Immediately flush with water.  |
| Skin:                 | No first aid should be needed. |
| Inhalation:           | No first aid should be needed. |
| First Aid Facilities: | None should be required.       |
| Comments:             | Treat symptomatically.         |



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**Advice to Doctor:** Treat Symptomatically. For further information, the Medical Practitioner should contact Dow Corning Australia Pty Ltd.

**4.1 Exposure Standards:**

|                    |                        |
|--------------------|------------------------|
| <b>Ingredients</b> | <b>Exposure Limits</b> |
| None known         |                        |

**4.2 Engineering Controls**

|                      |                        |
|----------------------|------------------------|
| Local Exhaust:       | None should be needed. |
| General Ventilation: | Recommended.           |

**4.3 Personal Protection**

|                      |  |
|----------------------|--|
| Respiratory:         | No respiratory protection should be needed.  |
| Suitable Respirator: | None should be needed.   |
| Hand:                | No special protection needed.  |
| Eye:                 | Use proper protection - safety glasses as a minimum.   |
| Skin:                | Washing at mealtime and end of shift is adequate.  |
| Personal Hygiene:    | Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. |

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

**4.4 Flammability**

|   |  |
|---|--|
| Fire Hazards (precautions to be taken in handling and storage): | Use reasonable care and store away from oxidizing materials. |
| Unusual Fire Hazards:   | None.  |

**5.1 Advice on Safe Handling**

|                        |  |
|------------------------|--|
| Local Exhaust:         | None should be needed.   |
| General Ventilation:   | Recommended.   |
| Dangerous Goods Class: | Not applicable.  |
| Handling Precautions:  | Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. |

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Storage Conditions: Use reasonable care and store away from oxidizing materials.  
 Unsuitable Packaging Materials: None established.

**5.2 Spills**

Personal Precautions: Avoid eye contact. Do not take internally.  
 Environmental Precautions: Do not allow large quantities to enter drains or surface waters.  
 Methods for Cleaning up: 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 some silicone 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 release 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.

**5.3 Waste Disposal**

Product Disposal: Dispose of in accordance with local regulations.  
 Packaging Disposal: Packaging should be disposed of in accordance with regional and/or national regulations.

**5.4 Stability and Reactivity**

Stability: Stable.  
 Conditions to Avoid: None.  
 Materials to Avoid: Oxidizing material can cause a reaction.  
 Hazardous Decomposition Products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.  
 Hazardous Polymerisation: Hazardous polymerisation will not occur.

**5.5 Fire/Explosion Hazard**

Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.  
 Unsuitable Extinguishing Media: None established.  
 Unusual Firefighting Hazards: None.  
 Special Firefighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.  
 Hazardous Decomposition Products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.  
 Hazchem Code: Not applicable.

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**DOW CORNING(R) III VALVE LUBRICANT & SEALANT**

**6. Regulatory Information**

**6.1 Classification and Labelling**

**Classification:** Not hazardous.

**R-phrases:** Not hazardous.

**S-phrases:** S24/25 Avoid contact with skin and eyes.

**6.2 Chemical Inventories**

**AICS:** All ingredients listed or exempt.

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

**MITI:** All components are listed on ENCS or its exempt rule.

**KECL:** All ingredients listed, exempt or notified.

**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.

**PICCS:** All ingredients listed or exempt.

**IECSC:** Not determined.

**7. Other Information**

**Contact Point:** Technical Services Engineer 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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