

Dow Corning 111 Valve Lubricant and Sealant

Manufacturer MSDS Number: 02832895



SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Dow Corning 111 Valve Lubricant and Sealant

Manufacturer Name: Dow Corning Corporation

Address:

South Saginaw Road
Midland, Michigan 48686

24 Hour Emergency Telephone: (989) 496-5900

Chemtrec: For emergencies in the US, call CHEMTREC: 800-424-9300

Customer Service Phone: (989) 496-6000

Product Disposal Phone: (989) 496-6315

Manufacturer MSDS Revision Date: 2002/01/22

Trade Names:

DOW CORNING(R) 111 VALVE LUBRICANT &SEALANT

Generic Description:

Silicone grease

Physical Form:

Grease

Color: Translucent white

Odor: Odorless

Note: NFPA = National Fire Protection Association

NFPA

Health: 0

Flammability: 1

Reactivity: 0

Other:



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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name

None present.

This is not a hazardous material as defined in the OSHA Hazard Communication Standard.



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SECTION 3 : HAZARDS IDENTIFICATION

Applies to All Ingredients:

Potential Health Effects:

Eye Contact:

Acute: Direct contact may cause temporary redness and discomfort.

Skin Contact:

Acute: No significant irritation expected from a single short-term exposure.

Inhalation:

Acute: No significant effects expected from a single short-term exposure.

Oral:

Acute: Low ingestion hazard in normal use.

Chronic Skin Contact:

No known applicable information.

Chronic Inhalation:

No known applicable information.

Chronic Oral:

No known applicable information.

Signs/Symptoms:

No known applicable information.

Aggravation of Pre-Existing Conditions:

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.



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SECTION 4 : FIRST AID MEASURES

Eye Contact:

Immediately flush with water.

Skin Contact:

No first aid should be needed.

Inhalation:

No first aid should be needed.

Ingestion:

No first aid should be needed.

Comments:

Treat symptomatically.



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SECTION 5 : FIRE FIGHTING MEASURES

Fire:

Flammability Limits in Air: Not determined.

Flash Point:

> 214 deg F/> 101.1 deg C

Flash Point Method:

Closed Cup

Auto Ignition Temperature:

Not determined.

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.

Fire Fighting Instructions:

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.

Unusual Fire Hazards:

None.

Hazardous Decomposition Byproducts:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.



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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. 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. Local, state and federal 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 federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See section 8 for Personal Protective Equipment for Spills. Call Dow Corning Corporation, (989) 496-5900, if additional information is required.



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SECTION 7 : HANDLING and STORAGE

Handling:

Use with adequate ventilation. Avoid eye contact.

Storage:

Use reasonable care and store away from oxidizing materials.



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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Local Ventilation: None should be needed.
General Ventilation: Recommended.

Skin Protection Description:

Washing at mealtime and end of shift is adequate.

For Spills:
Washing at mealtime and end of shift is adequate.

Hand Protection Description:

Suitable Gloves: No special protection needed.

Eye/Face Protection:

Use proper protection – safety glasses as a minimum.

For Spills:
Use proper protection – safety glasses as a minimum.

Respiratory Protection:

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

For Spills:
Inhalation/Suitable Respirator:
No respiratory protection should be needed.

Other Protective:

For Spills:
Precautionary Measures: Avoid eye contact. Use reasonable care.

Exposure Limits:

Component Exposure Limits:
There are no components with workplace exposure limits.

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



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

Form: Grease.

Color:

Translucent white.

Odor:

Odorless.

pH:

Not determined.

Vapor Pressure:

@ 25 deg C: Not determined.

Vapor Density:

Not determined.

Boiling Point:

Not determined.

Freezing Point:

Not determined.

Melting Point:

Not determined.

Solubility:

In Water: Not determined.

Specific Gravity:

@ 25 deg C: 1.1

Percent Volatile:

Not determined.

Viscosity:

Not determined.

Flashpoint:

> 214 deg F/> 101.1 deg C

Auto Ignition Temp:

Not determined.

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



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SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Conditions to Avoid:

None.

Incompatibilities with Other Materials:

Materials to Avoid: Oxidizing material can cause a reaction.

Hazardous Polymerization:

Hazardous polymerization will not occur.

Hazardous Decomposition Products:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.



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SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Paragraph:

Special Hazard Information on Components:
No known applicable information.



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SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity Classification Criteria:
Hazard Parameters (LC50 or EC50):
Acute Aquatic Toxicity (mg/L):
High: ≤ 1
Medium: > 1 and ≤ 100
Low: > 100

Hazard Parameters (LC50 or EC50):
Acute Terrestrial Toxicity:
High: ≤ 100
Medium: > 100 and ≤ 2000
Low: > 2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

Environmental Fate:

Distribution: Complete information is not yet available.

Environmental Effects:
Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants:
Complete information is not yet available.



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SECTION 13 : DISPOSAL CONSIDERATIONS

RCRA Hazard Class:

(40 CFR 261): When a decision is made to discard this material, as received, is it classified as a hazardous waste:
No

State and Local:

State or local laws may impose additional regulatory requirements regarding disposal.

Call Dow Corning Corporate Environmental Management, (989) 496–6315, if additional information is required.



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SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:

DOT Road Shipment Information (49 CFR 172.101):
Not subject to DOT.

IATA:

Air Shipment (IATA):
Not subject to IATA regulations.

Maritime Transportation CGVS/GGVE/IMDG: Ocean Shipment: Not subject to IMDG code.

Call Dow Corning Transportation, (989) 496–8577, if additional information is required.



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SECTION 15 : REGULATORY INFORMATION

Applies to all ingredients:

TSCA 8(b): Inventory Status

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

Section 302:

Section 302 Extremely Hazardous Substances: None.

Section 304:

Section 304 CERCLA Hazardous Substances: None.

Section 312 Hazard Category:

Section 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Reactive: No

Pressure: No

Section 313 Toxic Release Form:

Section 313 Toxic Chemicals:
None present or none present in regulated quantities.

OSHA 29 CFR 1200:

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

State:

Supplemental State Compliance Information:

California:

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

Massachusetts:

Component Name: Silica, amorphous

CAS Number: 7631–86–9

Wt %: 7.0 – 13.0

New Jersey:

Component Name: Polydimethylsiloxane

CAS Number: 63148–62–9

Wt %: > 60.0

Component Name: Silica, amorphous

CAS Number: 7631–86–9

Wt %: 7.0 – 13.0

Component Name: Dimethyl siloxane, hydroxy-terminated
CAS Number: 70131-67-8
Wt %: 7.0 – 13.0

Pennsylvania:
Component Name: Polydimethylsiloxane
CAS Number: 63148-62-9
Wt %: > 60.0

Component Name: Silica, amorphous
CAS Number: 7631-86-9
Wt %: 7.0 – 13.0

Component Name: Dimethyl siloxane, hydroxy-terminated
CAS Number: 70131-67-8
Wt %: 7.0 – 13.0



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SECTION 16 : ADDITIONAL INFORMATION

NFPA:

Fire Hazard: 1

Health: 0

Reactivity: 0

MSDS Revision Date:

2002/01/22

MSDS Author:

Prepared by: Dow Corning Corporation

Disclaimer:

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Note: NFPA = National Fire Protection Association

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