View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION 01018817

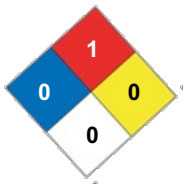
Product Name:	**Dow Corning High Vacuum Grease**
Manufacturer MSDS.:	01018817
Manufacturer Name:	Dow Corning Corporation
Address:	South Saginaw Road Midland, Michigan 48686 24 Hour Emergency Telephone: (989) 496-5900

CHEMTREC Numbers:

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

Customer Service Phone:	(989) 496-6000
Product Disposal Phone:	(989) 496-6315
Revision Date:	2009/05/07 Version: 1.3
Trade Names:	DOW CORNING(R) HIGH VACUUM GREASE
Generic Description:	Silicone compound
Physical Form:	Grease
Color:	Translucent white
Odor:	Odorless
Note:	NFPA = National Fire Protection Association
Product Codes:	

NFPA



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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS 01018817

Ingredient Name	CAS#	Ingredient Percent

EC Index Number: 1

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

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SECTION 3 : HAZARDS IDENTIFICATION 01018817

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 01018817

Eye Contact:	Immediately flush with water.
Skin Contact:	No first aid should be needed.
Inhalation:	No first aid should be needed.
Oral:	No first aid should be needed.

Note to Physicians:	Treat according to person's condition and specifics of exposure.

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SECTION 5 : FIRE FIGHTING MEASURES 01018817

Fire:	Flammability Limits in Air: Not determined.
Flash Point:	212 deg F/100 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.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES 01018817

Personal Precautions:	Observe all personal protection equipment recommendations described in Sections 5 and 8.
Spill Cleanup Measures:	Determine whether to evacuate or isolate the area according to your local emergency plan. 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. 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.
Large Spill:	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.

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SECTION 7 : HANDLING and STORAGE 01018817

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 01018817

Ventilation System:	General Ventilation: Recommended.
Local Exhaust:	Local Ventilation: None should be needed.
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: Handle in accordance with good industrial hygiene and safety practices.
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:	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 01018817

Physical State/Appearance:	Form: Grease
Color:	Translucent white
Odor:	Odorless
pH:	Not determined.
Vapor Pressure:	@ 25 deg C: Not determined.
Vapor Density:	Not determined.

Flash Point:	212 deg F/100 deg C
Flash Point Method:	Closed Cup
Auto Ignition Temperature:	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
Volatile Organic Compound Content:	Volatile Content: Not determined.
Viscosity:	2000000 cSt
Flammability Limits in Air:	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 01018817

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 decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

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SECTION 11 : TOXICOLOGICAL INFORMATION 01018817

Special Hazard Information on Components:
No known applicable information.

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SECTION 12 : ECOLOGICAL INFORMATION 01018817

Ecotoxicity:	Ecotoxicity Classification Criteria: Hazard Parameters (LC50 or EC50): Acute Aquatic Toxicity (mg/L): High: < = 1 Medium: > 1 and < = 100 Low: > 100 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:	Environmental Fate and Distribution: Complete information is not yet available. Environmental Effects: Complete information is not yet available.
Effect of Material on Plants/Animals:	Fate and Effects in Waste Water Treatment Plants: Complete information is not yet available.

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SECTION 13 : DISPOSAL CONSIDERATIONS 01018817

RCRA Hazard Class:	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.

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SECTION 14 : TRANSPORT INFORMATION 01018817

DOT Shipping Information:	DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT.
IATA:	Not subject to IATA regulations.
Maritime Transportation CGVS/GGVE/IMDG:	Ocean: Not subject to IMDG code.

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SECTION 15 : REGULATORY INFORMATION 01018817

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 (40 CFR 355): None.

Section 304: Section 304 CERCLA Hazardous Substances (40 CFR 302): None.

Section 312 Hazard Category: Section 311/312 Hazard Class (40 CFR 370):

Acute:	No
Chronic:	No
Fire:	No
Reactive:	No
Pressure:	No

Section 313 Toxic Release Form: Section 313 Toxic Chemicals (40 CFR 372): None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

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 %: 5.0 - 10.0

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 %: 5.0 - 10.0

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SECTION 16 : ADDITIONAL INFORMATION 01018817

NFPA:

Health:	0
Fire Hazard:	1
Reactivity:	0

MSDS Revision Date: 2009/05/07
Version: 1.3

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.

Comment:	(R) indicates Registered Trademark
Note:	NFPA = National Fire Protection Association

ADDENDUM : Other Client Information

Notes: , DC976VF, DC976VM,

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