

# DOW CORNING CORPORATION MATERIAL SAFETY DATA SHEET

PART NUMBER - G-118-019

MSDS - OI-028

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## DOW CORNING(R) G-N METAL ASSEMBLY PASTE

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Dow Corning Corporation South Saginaw Road Midland, Michigan 48686	24 Hour Emergency Telephone: (517) 496-5900 Customer Service: (517) 496-6000 Product Disposal Information: (517) 496-6315 CHEMTREC: (800) 424-9300
MSDS No: 01889877 <span style="float: right;">Current Version: 07/09/97</span>	
Generic Description: Inorganic compounds in mineral oil Physical Form: Paste Color: Charcoal gray Odor: Slight odor NFPA Profile: Health 2 Flammability 1 Reactivity 0	
Note: NFPA = National Fire Protection Association	

SECTION 2. OSHA HAZARDOUS COMPONENTS			
CAS Number	Wt%	Component	Exposure Limits
064741895	48	Solvent-refined light paraffinic petroleum distillate	Observe petroleum distillates limits. OSHA PEL (final rule): TWA 400 ppm.
001317335	16	Molybdenum disulfide	Observe molybdenum, insoluble compounds, limits. OSHA PEL (final rule): TWA 10 mg/m3 total dust. ACGIH TLV: TWA 10 mg/m3.
007446266	13	Zinc pyrophosphate	None established.
000110305	3	Ethylene distearylamine	None established.
007631869	2	Silica, amorphous	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.
007784307	2	Aluminum phosphate	Observe aluminum (soluble salts) limits. OSHA PEL (final rule) and ACGIH TLV: TWA 2 mg/m3.
072623860	2	Hydrotreated neutral oil, C15-C30	None established.
Comments: The above components are hazardous as defined in 29 CFR 1910.1200.			

SECTION 3. EFFECTS OF OVEREXPOSURE	
<u>Acute Effects</u>	
Eye:	Direct contact irritates slightly with redness and swelling.
Skin:	Repeated or prolonged contact may cause defatting of the skin leading to dermatitis.
Inhalation:	Short vapor exposure may cause drowsiness, irritate nose and throat and cause injury to the following organ(s): Nervous system.
Oral:	Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.
<u>Repeated Exposure Effects</u>	
Skin:	None Known.

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Inhalation: Short vapor exposure may cause drowsiness, irritate nose and throat and cause injury to the following organ(s): Nervous system.

Oral: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

Special Hazards

This material contains the following components with the special hazards listed below.

Carcinogens

None Known

Teratogens

None Known

Mutagens

None Known

Reproductive Toxins

None Known

Sensitizers

None Known

Comments: Please read the additional information below.

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.

**SECTION 4. FIRST AID MEASURES**

Eye: Immediately flush with water for 15 minutes.

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.

Oral: Get immediate medical attention. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

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

**SECTION 5. FIRE FIGHTING MEASURES**

Flash Point (Closed Cup): > 212.00 DEGREE F / 100.00 DEGREE C

Autoignition Temperature: Not Determined

Flammability Limits in Air: Not Determined

Extinguishing Media: Water spray. Carbon dioxide (CO2). Dry chemical. Foam. Water can be used to cool fire exposed containers.

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

Unusual Fire Hazards: None

Hazardous Decomposition Products:

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

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Containment/Clean-up: Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements. Wipe up or scrape up and contain for salvage or disposal. Observe all personal protection equipment recommendations described in Sections 5 and 8. 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.

NOTE: See Section 8 for Personal Protective Equipment for Spills.  
Call Dow Corning Corporation, (517)496-5900, if additional information is required.

### SECTION 7. HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid breathing vapor. Keep container closed. Avoid eye contact. Do not take internally. Avoid skin contact.

Storage: No special precautions. Use reasonable care and store away from oxidizing materials.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls

Local exhaust: Recommended  
General Ventilation: Recommended

#### Personal Protective Equipment For Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.  
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.  
Suitable Gloves: Neoprene Rubber(R). Nitrile Rubber. Polyvinylalcohol.  
Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic Vapor/Dust/Mist Type

#### Personal Protective Equipment For Spills

Eye: Use proper protection - safety glasses as a minimum.  
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.  
Inhalation/  
Suitable Respirator: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

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Precautionary Measures: Avoid eye contact. Avoid skin contact. Avoid breathing vapor.  
Keep container closed. Do not take internally.

Comments: None

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

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical form: Paste  
Color: Charcoal gray  
Odor: Slight odor  
Specific Gravity @ 25C: 1.35  
Viscosity: Not Applicable.  
Freezing/Melting Point: Not Determined.  
Boiling Point: Not Applicable.  
Vapor Pressure @ 25C: Not Applicable.  
Vapor Density: Not Applicable.  
Solubility in Water: Not Determined.  
pH: Not Applicable.  
Volatile content: Not Applicable.

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

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability: Stable.  
Hazardous Polymerization: Hazardous polymerization will not occur.  
Conditions to Avoid: None.  
Materials to Avoid: Oxidizing material can cause a reaction.  
Comments: None

**SECTION 11. TOXICOLOGICAL INFORMATION**

OPTIONAL SECTION - Complete information not yet available.

**SECTION 12. ECOLOGICAL INFORMATION**

OPTIONAL SECTION - Complete information not yet available.

**SECTION 13. DISPOSAL INFORMATION**

RCRA Hazard Class (40CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? N

Federal Hazardous Waste Code: NA

Characteristic Waste: Ignitable: NA Corrosive: NA Reactive: NA

TCLP: NA

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

NA = Not Applicable

Call Dow Corning Corporate Environmental Management, (517)496-6315, if additional information is required.

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**SECTION 14. TRANSPORT INFORMATION**

DOT Information (49CFR 172.101)

Proper Shipping Name: Not Applicable

Hazard Technical Name: Not Applicable

Hazard Class: Not Applicable

UN/NA Number: 0000

Packing Group: NA

0000 and NA = Not Applicable

Call Dow Corning Transportation, (517)496-8577, if additional information is required.

**SECTION 15. REGULATORY INFORMATION**

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

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances:

None

Section 304 CERCLA Hazardous Substances:

None

Section 312 Hazard Class:

Acute: Y

Chronic: Y

Fire: N

Pressure: N

Reactive: N

Y = Yes      N = No

Section 313 Toxic Chemicals:

Not Applic.                      13      Zinc compounds

Supplemental State Compliance Information

<u>CAS Number</u>	<u>Wt%</u>	<u>Component</u>
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**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.

None Known.

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 birth defects or other reproductive harm.

None Known.

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**Massachusetts**

064741895	48	Solvent-refined light paraffinic petroleum distillate
001317335	16	Molybdenum disulfide
007631869	2	Silica, amorphous

**New Jersey**

064741895	48	Solvent-refined light paraffinic petroleum distillate
001306065	13	Tricalcium phosphate, hydrated
007446266	13	Zinc pyrophosphate
000110305	3	Ethylene distearylamide
072623860	2	Hydrotreated neutral oil, C15-C30
007784307	2	ALUMINUM PHOSPHATE; #0062
001317335	16	MOLYBDENUM (IV) SULFIDE; #1310
007631869	2	SILICA, AMORPHOUS FUMED; #1655

**Pennsylvania**

064741895	48	Solvent-refined light paraffinic petroleum distillate
001317335	16	Molybdenum disulfide
001306065	13	Tricalcium phosphate, hydrated
007446266	13	Zinc pyrophosphate
000110305	3	Ethylene distearylamide
007631869	2	Silica, amorphous

**SECTION 16. OTHER INFORMATION**

Prepared by: Dow Corning Corporation

This information is offered in good faith as typical values and not as a product specification. No warranty, 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.

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