

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 1 of 8

Version: 2.0

Revision Date: 2008/06/06

**MOLYKOTE(R) P-37 ANTISEIZE PASTE****1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Dow Corning Corporation  
South Saginaw Road  
Midland, Michigan 48686

**24 Hour Emergency Telephone: (989) 496-5900**

Customer Service: (989) 496-6000

Product Disposal Information: (989) 496-6315

CHEMTREC: (800) 424-9300

MSDS No.: 02322374

Revision Date: 2008/06/06

Generic Description: Mixture of inorganic and organic compounds

Physical Form: Paste

Color: Gray

Odor: Odorless

NFPA Profile: Health 1 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

**2. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS****Acute Effects**

Eye: Direct contact may cause mild irritation.

Skin: May cause mild irritation.

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

Oral: Low ingestion hazard in normal use.

**Prolonged/Repeated Exposure Effects**

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

**Signs and Symptoms of Overexposure**

No known applicable information.

**Medical Conditions Aggravated by Exposure**

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions,

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 2 of 8

Version: 2.0

Revision Date: 2008/06/06

**MOLYKOTE(R) P-37 ANTISEIZE PASTE**

component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| <u>CAS Number</u> | <u>Wt %</u> | <u>Component Name</u> |
|-------------------|-------------|-----------------------|
| 1305-62-0         | 15.0 - 40.0 | Calcium hydroxide     |

The above components are hazardous as defined in 29 CFR 1910.1200.

**4. FIRST AID MEASURES**

|                     |  |
|---------------------|--|
| Eye:                | Immediately flush with water for 15 minutes.                     |
| Skin:               | No first aid should be needed.                                   |
| Inhalation:         | No first aid should be needed.                                   |
| Oral:               | No first aid should be needed.                                   |
| Notes to Physician: | Treat according to person's condition and specifics of exposure. |

**5. FIRE FIGHTING MEASURES**

|                             |   |
|-----------------------------|---|
| Flash Point:                | Not applicable.   |
| Autoignition Temperature:   | Not determined.   |
| Flammability Limits in Air: | Not determined.   |
| Extinguishing Media:        | On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO <sub>2</sub> ), dry chemical or water spray. Water can be used to cool fire exposed containers.   |
| Fire Fighting Measures:     | 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.   |

**6. ACCIDENTAL RELEASE MEASURES**

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 3 of 8

Version: 2.0

Revision Date: 2008/06/06

**MOLYKOTE(R) P-37 ANTISEIZE PASTE**

Containment/Clean up: Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. 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.

**7. HANDLING AND STORAGE**

Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Component Exposure Limits**

| <u>CAS Number</u> | <u>Component Name</u> | <u>Exposure Limits</u>  |
|-------------------|-----------------------|-------------------------|
| 1305-62-0         | Calcium hydroxide     | ACGIH TLV: TWA 5 mg/m3. |

**Engineering Controls**

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

**Personal Protective Equipment for Routine Handling**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: Handle in accordance with good industrial hygiene and safety practices.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

**Personal Protective Equipment for Spills**

Eyes: Use proper protection - safety glasses as a minimum.

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 4 of 8

Version: 2.0

Revision Date: 2008/06/06

**MOLYKOTE(R) P-37 ANTISEIZE PASTE**

|   |  |
|---|--|
| Skin:   | Washing at mealtime and end of shift is adequate.  |
| Inhalation/Suitable<br>Respirator:  | No respiratory protection should be needed.  |
| Precautionary Measures:   | Avoid eye contact. Use reasonable care.  |
| Comments:   | When heated to temperatures above 150 C (300 F) in the presence of air, product can form formaldehyde vapors. Physical and health hazard information is readily available from Dow Corning Corporation and the Material Safety Data Sheet. |
| Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. |  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                 |
|-----------------------------|-----------------|
| Physical Form:              | Paste           |
| Color:                      | Gray            |
| Odor:                       | Odorless        |
| Specific Gravity @ 25°C:    | 1.21            |
| Viscosity:                  | Not determined. |
| Freezing/Melting Point:     | Not determined. |
| Boiling Point:              | Not determined. |
| Vapor Pressure @ 25°C:      | Not determined. |
| Vapor Density:              | Not determined. |
| Solubility in Water:        | 0 g/l           |
| pH:                         | Not determined. |
| Volatile Content:           | 0.00 %          |
| Flash Point:                | Not applicable. |
| Autoignition Temperature:   | Not determined. |
| 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.

**10. STABILITY AND REACTIVITY**

|                              |  |
|------------------------------|--|
| Chemical Stability:          | Stable.                                  |
| Hazardous<br>Polymerization: | Hazardous polymerization will not occur. |
| Conditions to Avoid:         | None.                                    |
| Materials to Avoid:          | Oxidizing material can cause a reaction. |

Hazardous Decomposition Products

**MOLYKOTE(R) P-37 ANTISEIZE PASTE**

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. Metal oxides. Silicon dioxide. Formaldehyde.

**11. TOXICOLOGICAL INFORMATION****Special Hazard Information on Components**

No known applicable information.

**12. ECOLOGICAL INFORMATION****Environmental Fate and 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.

**Ecotoxicity Classification Criteria**

| Hazard Parameters (LC50 or EC50) | High  | Medium           | Low   |
|----------------------------------|-------|------------------|-------|
| Acute Aquatic Toxicity (mg/L)    | <=1   | >1 and <=100     | >100  |
| Acute Terrestrial Toxicity       | <=100 | >100 and <= 2000 | >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.

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

**14. TRANSPORT INFORMATION****DOT Road Shipment Information (49 CFR 172.101)**

**MOLYKOTE(R) P-37 ANTISEIZE PASTE**

Not subject to DOT.

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

**15. REGULATORY INFORMATION**

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

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

**EPA SARA Title III Chemical Listings****Section 302 Extremely Hazardous Substances (40 CFR 355):**

None.

**Section 304 CERCLA Hazardous Substances (40 CFR 302):**

None.

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

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

**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.

**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.

**MOLYKOTE(R) P-37 ANTISEIZE PASTE****Massachusetts**

| <u>CAS Number</u> | <u>Wt %</u> | <u>Component Name</u> |
|-------------------|-------------|-----------------------|
| 7782-42-5         | 15.0 - 40.0 | Graphite              |
| 1305-62-0         | 15.0 - 40.0 | Calcium hydroxide     |
| 1314-23-4         | 10.0 - 30.0 | Zirconium oxide       |
| 7631-86-9         | 1.0 - 5.0   | Silica, amorphous     |

**New Jersey**

| <u>CAS Number</u> | <u>Wt %</u> | <u>Component Name</u> |
|-------------------|-------------|-----------------------|
| 8042-47-5         | 40.0 - 70.0 | Mineral oil           |
| 7782-42-5         | 15.0 - 40.0 | Graphite              |
| 1305-62-0         | 15.0 - 40.0 | Calcium hydroxide     |
| 1314-23-4         | 10.0 - 30.0 | Zirconium oxide       |
| 9003-29-6         | 5.0 - 10.0  | Polybutene            |
| 7631-86-9         | 1.0 - 5.0   | Silica, amorphous     |

**Pennsylvania**

| <u>CAS Number</u> | <u>Wt %</u> | <u>Component Name</u> |
|-------------------|-------------|-----------------------|
| 8042-47-5         | 40.0 - 70.0 | Mineral oil           |
| 7782-42-5         | 15.0 - 40.0 | Graphite              |
| 1305-62-0         | 15.0 - 40.0 | Calcium hydroxide     |
| 1314-23-4         | 10.0 - 30.0 | Zirconium oxide       |
| 9003-29-6         | 5.0 - 10.0  | Polybutene            |
| 7631-86-9         | 1.0 - 5.0   | Silica, amorphous     |

**DOW CORNING CORPORATION**  
**Material Safety Data Sheet**

Page: 8 of 8

Version: 2.0

Revision Date: 2008/06/06

**MOLYKOTE(R) P-37 ANTISEIZE PASTE****16. OTHER INFORMATION**

Prepared by: Dow Corning Corporation

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.

(R) indicates Registered Trademark