

MOLYKOTE(R) P-37 ANTISEIZE PASTE

1. Chemical Product and Company Identification

1.1 Product Details

Product Name: MOLYKOTE(R) P-37 ANTISEIZE PASTE
Other Name: None
Chemical Family: Mixture of inorganic and organic compounds
Manufacturer's Product Code: 02322374
Use: Lubricant

1.2 Company Details

Manufacturer/Supplier: Dow Corning Singapore Pte Ltd - Malaysia Representative Office
Address: Level 10, Menara Choy Fook On, 1B Jalan Yong Shook Lin, Section 7, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia
Telephone Number: (603) 76256088
Emergency Telephone Number: 00-1-989-496-5900
Contact Person: Country Manager

2. Composition and Information on Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% (w/w)</u>	<u>Symbols & Health Risk Phrases</u>
Calcium hydroxide	1305-62-0	10 - <30	Xi Irritant. R36/38 Irritating to eyes and skin.

3. Physical and Chemical Properties

3.1 Physical Form: Paste
3.2 Colour: Gray
3.3 Odour: Odorless
3.4 Solubility in Water: 0 g/l
3.5 Boiling Point: Not determined.
3.6 Melting Point: Not determined.
3.7 Vapor Pressure @ 25°C: Not determined.
3.8 Percent Volatiles: 0.00 %
3.9 Evaporation Rate: Not determined.
3.10 Vapour Density (air=1): Not determined.
3.11 Specific Gravity: 1.21
3.12 Flash Point: Not applicable.
3.13 Autoignition Temperature: Not determined.
3.14 Upper Flammability Limit: Not determined.
3.15 Lower Flammability Limit: Not determined.

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

4. Hazard Identification

Most Important Hazards: Not hazardous.

5. First Aid Measures

5.1 Ingestion: Get medical attention.
5.2 Eye: Immediately flush with water for 15 minutes.
5.3 Skin: No first aid should be needed.
5.4 Inhalation: No first aid should be needed.
5.5 Comments: Treat according to person's condition and specifics of exposure.
5.6 Note to physicians: Treat symptomatically. For further information, the medical practitioner should contact Dow Corning Singapore Pte Ltd - Malaysia Representative Office.

6. Fire Fighting Measures

6.1 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.
6.2 Unsuitable Extinguishing Media: None established.
6.3 Unusual Fire Hazards: None.
6.4 Special Firefighting Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
6.5 Other Recommendations: None.
6.6 Hazardous Combustion Products: Metal oxides. Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

7. Accidental Release Measure

7.1 Personal Precautions: Avoid skin and eye contact. Do not take internally.
7.2 Environmental Precautions: Do not allow large quantities to enter drains or surface waters.

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7.3 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. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. 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 laws and regulations are applicable.
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8. Handling and Storage

8.1 Handling Precautions:	Use with adequate ventilation. Avoid skin and eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
8.2 Storage Conditions:	Use reasonable care and store away from oxidizing materials.
8.3 Unsuitable Packaging Materials:	None established.

9. Exposure Control / Personal Protection

9.1 Exposure Limits

<u>Ingredients</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
Calcium hydroxide	1305-62-0	Malay: TWA 5 mg/m ³ . OSHA PEL and ACGIH TLV: TWA 5 mg/m ³ .

9.2 Engineering Controls

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

9.3 Personal Protective Equipment for Routine Handling

Respiratory protection:	No respiratory protection should be needed.
Suitable Respirator:	None should be needed.
Eye:	Use proper protection - safety glasses as a minimum.
Hand:	No special protection needed.
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.

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9.4 Personal Protective Equipment for Spills

Respiratory protection:	No respiratory protection should be needed.
Eye protection:	Use proper protection - safety glasses as a minimum.
Skin protection:	Washing at mealtime and end of shift is adequate.
Precautionary Measures:	Avoid skin and eye contact. Do not take internally. Use reasonable care.

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

10. Stability and Reactivity

10.1 Stability:	Stable.
10.2 Conditions to avoid:	None.
10.3 Materials to avoid:	Can react with strong oxidising agents.
10.4 Hazardous Decomposition Products:	Metal oxides. Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.
10.5 Hazardous Polymerization :	Hazardous polymerization will not occur.

11. Toxicological Information

11.1 Possible Health Effects

Acute

Skin:	No significant irritation expected from a single short-term exposure.
Eye:	Direct contact may cause mild irritation.
Inhalation:	Irritates respiratory passages very slightly.
Ingestion:	Low ingestion hazard in normal use.

Chronic

Skin:	Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.
Inhalation:	No known applicable information.
Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.
Other Health Hazard Information:	No known applicable information.

11.2 LD50 (Oral):	Not determined.
LD50 (Dermal):	Not determined.
LC50 (Inhalation):	Not determined.

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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.

12. Ecological Information**12.1 Environmental Fate and Distribution**

Solid material, insoluble in water. No adverse effects are predicted.

12.2 Environmental Effects

No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential.

12.3 Fate and Effects in Waste Water Treatment Plants

No adverse effects on bacteria are predicted.

13. Disposal Information

13.1 Product Disposal: Dispose of in accordance with local regulations.

13.2 Packaging Disposal: Dispose of in accordance with local regulations.

14. Transportation Information**14.1 Road and Rail Transport**

Not applicable.

14.2 Sea transport (IMDG)

Not subject to IMDG code.

14.3 Air Transport (IATA-DGR)

Not subject to IATA regulations.

15. Regulatory Information**15.1 Classification and Labelling**

Proposed Classification: Not hazardous.

Risk Phrases: Not hazardous.

**Dow Corning Singapore Pte Ltd -
Malaysia Representative Office
Chemical Safety Data Sheet**

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Safety Phrases: S24/25 Avoid contact with skin and eyes.
S51 Use only in well-ventilated areas.

15.2 Applicable Laws Occupational Safety and Health (Classification, Packaging and Labelling of Hazardous Chemicals) Regulations 1997

15.3 Chemical Inventories

MITI: All components are listed on ENCS or its exempt rule.
EINECS: All ingredients listed or exempt.
DSL: All chemical substances in this material are included on or exempted from the DSL.
AICS: All ingredients listed or exempt.
KECL: All ingredients listed, exempt or notified.
TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
IECSC: All ingredients listed or exempt.
PICCS: Not determined.

16. Other Information

Contact Point: Country Manager - (603) 76256088
Prepared by: Dow Corning Singapore Pte Ltd - Malaysia Representative Office

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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