



## SAFETY DATA SHEET MOLYKOTE P 37 ANTISEIZE PASTE

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name MOLYKOTE P 37 ANTISEIZE PASTE

Product number 60535

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Lubricant. Additive Lubricant.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
BD3 7AY  
+44 1274 267300  
+44 1274 267306  
SDS.EMEA@univarsolutions.com

#### 1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 60535

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word Danger

Hazard statements H315 Causes skin irritation.  
H318 Causes serious eye damage.

## MOLYKOTE P 37 ANTISEIZE PASTE

### Precautionary statements

P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/ doctor.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

### Contains

CALCIUM HYDROXIDE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                                                               |                      |                                                  |                                 |
|---------------------------------------------------------------|----------------------|--------------------------------------------------|---------------------------------|
| <b>GRAPHITE</b>                                               |                      |                                                  | <b>&gt;= 20.0 - &lt; 30.0 %</b> |
| CAS number: 7782-42-5                                         | EC number: 231-955-3 | REACH registration number: 01-2119486977-12-XXXX |                                 |
| Acute Toxicity Estimate (oral):> 2000 mg/kg                   |                      |                                                  |                                 |
| Acute Toxicity Estimate (inhalation):> 2 mg/lDust/Mist4 hours |                      |                                                  |                                 |
| <b>Classification</b>                                         |                      |                                                  |                                 |
| Not Classified                                                |                      |                                                  |                                 |

|                                                                 |                      |                                                  |                                 |
|-----------------------------------------------------------------|----------------------|--------------------------------------------------|---------------------------------|
| <b>ZIRCONIUM OXIDE</b>                                          |                      |                                                  | <b>&gt;= 10.0 - &lt; 20.0 %</b> |
| CAS number: 1314-23-4                                           | EC number: 215-227-2 | REACH registration number: 01-2119486976-14-XXXX |                                 |
| Acute Toxicity Estimate (oral):> 5000 mg/kg                     |                      |                                                  |                                 |
| Acute Toxicity Estimate (inhalation):> 4.3 mg/lDust/Mist4 hours |                      |                                                  |                                 |
| <b>Classification</b>                                           |                      |                                                  |                                 |
| Not Classified                                                  |                      |                                                  |                                 |

|                                               |                      |                                                  |                                 |
|-----------------------------------------------|----------------------|--------------------------------------------------|---------------------------------|
| <b>CALCIUM HYDROXIDE</b>                      |                      |                                                  | <b>&gt;= 10.0 - &lt; 20.0 %</b> |
| CAS number: 1305-62-0                         | EC number: 215-137-3 | REACH registration number: 01-2119475151-45-XXXX |                                 |
| Acute Toxicity Estimate (oral):> 2000 mg/kg   |                      |                                                  |                                 |
| Acute Toxicity Estimate (dermal):> 2500 mg/kg |                      |                                                  |                                 |
| <b>Classification</b>                         |                      |                                                  |                                 |
| Skin Irrit. 2 - H315                          |                      |                                                  |                                 |
| Eye Dam. 1 - H318                             |                      |                                                  |                                 |
| STOT SE 3 - H335                              |                      |                                                  |                                 |

The full text for all hazard statements is displayed in Section 16.

### Composition comments

The data shown are in accordance with the latest EC Directives.

## SECTION 4: First aid measures

## MOLYKOTE P 37 ANTISEIZE PASTE

### 4.1. Description of first aid measures

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information</b> | First aid personnel should wear appropriate protective equipment during any rescue. Wear protective clothing as described in Section 8 of this safety data sheet.                                                                                                                                                                                                                                                                               |
| <b>Inhalation</b>          | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Get medical attention if any discomfort continues. |
| <b>Ingestion</b>           | Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if any discomfort continues.                                                                                                                                                                                                                                                                                   |
| <b>Skin contact</b>        | Get medical attention if any discomfort continues. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash clothing and clean shoes thoroughly before reuse.                                                                                                                                                                                                                   |
| <b>Eye contact</b>         | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.                                                                                                                                                                                                                                                    |

### 4.2. Most important symptoms and effects, both acute and delayed

|                     |                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b> | Causes skin irritation.                                                                                                  |
| <b>Eye contact</b>  | Causes serious eye damage. May cause permanent damage if eye is not immediately irrigated. May cause chemical eye burns. |

### 4.3. Indication of any immediate medical attention and special treatment needed

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. If in doubt, get medical attention promptly. |
|-----------------------------|---------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.           |

### 5.2. Special hazards arising from the substance or mixture

|                                      |                                                                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b>              | When heated and in case of fire, toxic vapours/gases may be formed.                                                                                          |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Metal oxide(s). Oxides of the following substances: Carbon. |

### 5.3. Advice for firefighters

|                                                      |                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective actions during firefighting</b>        | No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water. Evacuate area. |
| <b>Special protective equipment for firefighters</b> | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.                                                                                                                                                             |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                             |                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Stop leak if safe to do so. Collect and place in suitable waste disposal containers and seal securely. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Container must be kept tightly closed when not in use. Avoid spilling. Avoid release to the environment. Observe good chemical hygiene practices.

**Advice on general occupational hygiene** Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Only store in correctly labelled containers. Store away from the following materials: Oxidising materials.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### GRAPHITE

2 mg/m<sup>3</sup>, TWA, Manuf. data

##### CALCIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

**Ingredient comments** Observe any occupational exposure limits for the product or ingredients.

#### GRAPHITE (CAS: 7782-42-5)

##### DNEL

Workers - Inhalation; Long term local effects: 1.2 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 813 mg/kg/day  
Consumer - Inhalation; Long term local effects: 0.3 mg/m<sup>3</sup>

#### ZIRCONIUM OXIDE (CAS: 1314-23-4)

## MOLYKOTE P 37 ANTISEIZE PASTE

|                            |                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingredient comments</b> | No exposure limits known for ingredient(s).                                                                                                                                                                                                                                                                                                                                                         |
| <b>DNEL</b>                | <p>Workers - Dermal; Long term systemic effects: 15.75 mg/kg/day</p> <p>Workers - Inhalation; Long term systemic effects: 5 mg/m<sup>3</sup></p> <p>General population - Oral; Long term systemic effects: 7.9 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 2.5 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 7.9 mg/kg/day</p> |

### CALCIUM HYDROXIDE (CAS: 1305-62-0)

|             |                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DNEL</b> | <p>Workers - Inhalation; Short term local effects: 4 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Short term local effects: 4 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p> |
| <b>PNEC</b> | <p>- Fresh water; 0.49 mg/l</p> <p>- marine water; 0.32 mg/l</p> <p>- Soil; 1080 mg/kg</p> <p>STP; 3 mg/l</p>                                                                                                                                                                                           |

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

#### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.

#### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. High-efficiency particulate filter. EN 136/140/141/145/143/149

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**MOLYKOTE P 37 ANTISEIZE PASTE**

|                                                     |                                                             |
|-----------------------------------------------------|-------------------------------------------------------------|
| <b>Appearance</b>                                   | Paste.                                                      |
| <b>Colour</b>                                       | Grey.                                                       |
| <b>Odour</b>                                        | Odourless.                                                  |
| <b>Odour threshold</b>                              | No information available.                                   |
| <b>pH</b>                                           | Not applicable.                                             |
| <b>Melting point</b>                                | No information available.                                   |
| <b>Pour Point</b>                                   | No information available.                                   |
| <b>Freezing Point</b>                               | No information available.                                   |
| <b>Initial boiling point and range</b>              | Not applicable.                                             |
| <b>Flash point</b>                                  | > 170°C Closed cup.                                         |
| <b>Evaporation rate</b>                             | Not applicable.                                             |
| <b>Evaporation factor</b>                           | No information available.                                   |
| <b>Flammability (solid, gas)</b>                    | No information available.                                   |
| <b>Upper/lower flammability or explosive limits</b> | No information available.                                   |
| <b>Other flammability</b>                           | No information available.                                   |
| <b>Vapour pressure</b>                              | Not applicable.                                             |
| <b>Vapour density</b>                               | No information available.                                   |
| <b>Relative density</b>                             | 1.21                                                        |
| <b>Bulk density</b>                                 | No information available.                                   |
| <b>Solubility(ies)</b>                              | No information available.                                   |
| <b>Partition coefficient</b>                        | No information available.                                   |
| <b>Auto-ignition temperature</b>                    | No information available.                                   |
| <b>Decomposition Temperature</b>                    | No information available.                                   |
| <b>Viscosity</b>                                    | Not applicable.                                             |
| <b>Explosive properties</b>                         | No information available.                                   |
| <b>Explosive under the influence of a flame</b>     | No information available.                                   |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising. |
| <b><u>9.2. Other information</u></b>                |                                                             |
| <b>Other information</b>                            | Not available.                                              |
| <b>Refractive index</b>                             | No information available.                                   |
| <b>Particle size</b>                                | No information available.                                   |
| <b>Molecular weight</b>                             | No information available.                                   |
| <b>Volatility</b>                                   | No information available.                                   |
| <b>Saturation concentration</b>                     | No information available.                                   |

## MOLYKOTE P 37 ANTISEIZE PASTE

**Critical temperature** No information available.

**Volatile organic compound** No information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Strong oxidising agents.

#### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Metal oxide(s). Oxides of the following substances: Carbon. Phosphorus. Nitrogen.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Skin corrosion/irritation

**Animal data** Causes skin irritation.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

##### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

##### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

##### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

##### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

## MOLYKOTE P 37 ANTISEIZE PASTE

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### **Toxicokinetics**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **Inhalation**

Dust in high concentrations may irritate the respiratory system.

### **Ingestion**

May cause discomfort if swallowed.

### **Skin contact**

Causes skin irritation.

### **Eye contact**

Causes serious eye damage. May cause permanent damage if eye is not immediately irrigated. May cause chemical eye burns.

### Toxicological information on ingredients.

#### **GRAPHITE**

#### **Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 2000 mg/kg, Oral, Rat OECD 401

#### **Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** Not determined.

#### **Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> > 2 mg/l, 4 hours, Dust/Mist Rat OECD 403

#### **Skin corrosion/irritation**

**Skin corrosion/irritation** Not irritating.

#### **Serious eye damage/irritation**

**Serious eye damage/irritation** May cause temporary eye irritation.

#### **Respiratory sensitisation**

**Respiratory sensitisation** No information available.

#### **Skin sensitisation**

**Skin sensitisation** Not sensitising. Mouse

#### **Germ cell mutagenicity**

**Genotoxicity - in vitro** Negative.

#### **Carcinogenicity**

**Carcinogenicity** No information available.

#### **Reproductive toxicity**

**Reproductive toxicity - fertility** No evidence of reproductive toxicity in animal studies.

## MOLYKOTE P 37 ANTISEIZE PASTE

**Reproductive toxicity - development** No evidence of reproductive toxicity in animal studies.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

**Toxicokinetics** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** May cause temporary eye irritation.

## ZIRCONIUM OXIDE

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Not determined.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> > 4.3 mg/l mg/l, 4 hours, Dust/Mist Rat

### Skin corrosion/irritation

**Animal data** Prolonged skin contact may cause redness and irritation.

### Serious eye damage/irritation

**Serious eye damage/irritation** May cause temporary eye irritation.

### Respiratory sensitisation

**Respiratory sensitisation** No information available.

### Skin sensitisation

**Skin sensitisation** Not sensitising. Guinea pig

### Germ cell mutagenicity

**Genotoxicity - in vitro** Negative.

### Carcinogenicity

**Carcinogenicity** No information available.

### Reproductive toxicity

## MOLYKOTE P 37 ANTISEIZE PASTE

**Reproductive toxicity - fertility** No information available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met. Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### **Toxicokinetics**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **Inhalation**

Dust in high concentrations may irritate the respiratory system.

### **Ingestion**

May cause discomfort if swallowed.

### **Skin contact**

Prolonged skin contact may cause temporary irritation.

### **Eye contact**

May cause temporary eye irritation.

## CALCIUM HYDROXIDE

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral, Rat OECD 425

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2500 mg/kg, Dermal, Rabbit OECD 402

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Not determined.

### Skin corrosion/irritation

**Skin corrosion/irritation** Causes skin irritation. Rabbit

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage. May cause permanent damage if eye is not immediately irrigated. May cause chemical eye burns. Rabbit

### Respiratory sensitisation

**Respiratory sensitisation** No information available.

### Skin sensitisation

**Skin sensitisation** No information available.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Ames test Negative. OECD 471

### Carcinogenicity

## MOLYKOTE P 37 ANTISEIZE PASTE

**Carcinogenicity** Based on available data the classification criteria are not met. This information is based on test data from similar products No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause respiratory irritation.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Not applicable.

**Toxicokinetics** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Inhalation** May cause respiratory system irritation.

**Ingestion** The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye damage. May cause permanent damage if eye is not immediately irrigated. May cause chemical eye burns.

## SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

### Ecological information on ingredients.

#### GRAPHITE

**Ecotoxicity** The product is not expected to be hazardous to the environment. Skin irritation should not occur when used as recommended. However, large or frequent spills may have hazardous effects on the environment.

#### ZIRCONIUM OXIDE

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

#### CALCIUM HYDROXIDE

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

## MOLYKOTE P 37 ANTISEIZE PASTE

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### Ecological information on ingredients.

#### GRAPHITE

**Toxicity** Not considered toxic to fish.

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: > 100 mg/l, Brachydanio rerio (Zebra Fish)  
OECD 203

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: > 100 mg/l, Daphnia magna  
OECD 202

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata  
OECD 201

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: > 1012.5 mg/l,  
OECD 209

#### ZIRCONIUM OXIDE

**Toxicity** Not considered toxic to fish.

#### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: >100 mg/l, Fish  
OECD 203

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: > 100 mg/l, Scenedesmus subspicatus  
OECD 201

#### CALCIUM HYDROXIDE

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 50.6 mg/l, Freshwater fish  
LC<sub>50</sub>, 96 hours: 457 mg/l, Marinewater fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 49.1 mg/l, Freshwater invertebrates  
EC<sub>50</sub>, 48 hours: 158 mg/l, Marinewater invertebrates

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 184.57 mg/l, Freshwater algae  
NOEC, 72 hours: 48 mg/l, Freshwater algae

**Acute toxicity - terrestrial** NOEC, : 2000 mg/kg, Soil micro-organisms  
NOEC, : 12000 mg/kg, Soil micro-organisms

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 14 days: 32 mg/l, Marinewater invertebrates

**Toxicity to terrestrial plants** NOEC, 21 day: 1080 mg/kg,

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

## MOLYKOTE P 37 ANTISEIZE PASTE

### Ecological information on ingredients.

#### GRAPHITE

**Persistence and degradability** Not applicable.

#### ZIRCONIUM OXIDE

**Persistence and degradability** There are no data on the degradability of this product.

#### CALCIUM HYDROXIDE

**Persistence and degradability** The product contains only inorganic substances which are not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### Ecological information on ingredients.

#### GRAPHITE

**Bioaccumulative potential** No data available on bioaccumulation.

#### ZIRCONIUM OXIDE

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### CALCIUM HYDROXIDE

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not applicable.

### 12.4. Mobility in soil

**Mobility** Not determined. No information available.

### Ecological information on ingredients.

#### GRAPHITE

**Mobility** The product is insoluble in water.

#### ZIRCONIUM OXIDE

**Mobility** No data recorded.

#### CALCIUM HYDROXIDE

**Mobility** No information available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

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### Ecological information on ingredients.

#### GRAPHITE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### ZIRCONIUM OXIDE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### CALCIUM HYDROXIDE

**Results of PBT and vPvB assessment** Not applicable. Substance is inorganic.

### 12.6. Other adverse effects

**Other adverse effects** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Ecological information on ingredients.

#### GRAPHITE

**Other adverse effects** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### ZIRCONIUM OXIDE

**Other adverse effects** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### CALCIUM HYDROXIDE

**Other adverse effects** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

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### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

## MOLYKOTE P 37 ANTISEIZE PASTE

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Classification procedures according to Regulation (EC) 1272/2008

Skin Irrit. 2 - H315: Calculation method. Eye Dam. 1 - H318: Calculation method.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

14/08/2022

**MOLYKOTE P 37 ANTISEIZE PASTE**

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Version number</b>            | 1.000                                                                                                     |
| <b>SDS number</b>                | 60535                                                                                                     |
| <b>SDS status</b>                | Approved.                                                                                                 |
| <b>Hazard statements in full</b> | H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H335 May cause respiratory irritation. |
| <b>Signature</b>                 | Lisa Bland                                                                                                |

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