



# SAFETY DATA SHEET

## SPECIALTY ELECTRONIC MATERIALS SWITZERLAND GMBH

**Product name:** MOLYKOTE® G-Rapid Plus Paste

**Issue Date:** 2025.05.16

**Print Date:** 2025.06.04

SPECIALTY ELECTRONIC MATERIALS SWITZERLAND GMBH encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name:** MOLYKOTE® G-Rapid Plus Paste

**Recommended use of the chemical and restrictions on use**

**Identified uses:** Lubricants and lubricant additives

### COMPANY IDENTIFICATION

SPECIALTY ELECTRONIC MATERIALS  
SWITZERLAND GMBH  
GROSSMATTE 4  
6014 LUZERN  
SWITZERLAND

**Customer Information Number:**

00800-3876-6838

SDSQuestion-EU@dupont.com

### EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact:** +(41)- 435082011

**Local Emergency Contact:** +1 703-741-5970

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## 2. HAZARDS IDENTIFICATION

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### Classification of the substance or mixture

Skin irritation - Category 2 - H315

Serious eye damage - Category 1 - H318

Specific target organ toxicity - single exposure - Category 3 - H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Label elements**

**Hazard pictograms**



**Signal word: DANGER**

**Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

**Precautionary statements**

P261 Avoid breathing dust.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a  
+ P312 POISON CENTER/ doctor if you feel unwell.  
P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,  
+ P338 + if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/  
P310 doctor.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**Supplemental information**

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity:  
8.9 %

**Contains** Calcium hydroxide

**Other hazards**

This product contains no substances assessed to be PBT or vPvB at levels of 0.1% or higher.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature:** Inorganic and organic compounds, Mixture

This product is a mixture.

| CASRN /<br>EC-No. /<br>Index-No.                            | Concentration      | Component                     | Classification  |
|---|--------------------|-------------------------------|---|
| CASRN<br>8042-47-5<br>EC-No.<br>232-455-8<br>Index-No.<br>— | >= 40.0 - < 50.0 % | White mineral oil (petroleum) | Asp. Tox. - 1 - H304  |
| CASRN<br>1305-62-0<br>EC-No.<br>215-137-3                   | >= 20.0 - < 30.0 % | Calcium hydroxide             | Skin Irrit. - 2 - H315<br>Eye Dam. - 1 - H318<br>STOT SE - 3 - H335 |

|  |                    |                      |                |
|--|--------------------|----------------------|----------------|
| <b>Index-No.</b><br>—  |                    |                      |                |
| <b>CASRN</b><br>1317-33-5<br><b>EC-No.</b><br>215-263-9<br><b>Index-No.</b><br>— | >= 20.0 - < 30.0 % | Molybdenum disulfide | Not classified |
| <b>CASRN</b><br>7782-42-5<br><b>EC-No.</b><br>231-955-3<br><b>Index-No.</b><br>— | >= 1.0 - < 10.0 %  | Graphite             | Not classified |

For the full text of the H-Statements mentioned in this Section, see Section 16.

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## 4. FIRST AID MEASURES

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### Description of first aid measures

**General advice:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** If inhaled Move person to fresh air; if effects occur, consult a physician.

**Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention.

**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

**Ingestion:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. Consult a physician if necessary.

### Most important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

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

**Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## 5. FIREFIGHTING MEASURES

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### Extinguishing media

**Suitable extinguishing media:** Water spray. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical.

**Unsuitable extinguishing media:** None known..

### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Sulphur oxides. Metal oxides. Carbon oxides.

**Unusual Fire and Explosion Hazards:** Exposure to combustion products may be a hazard to health..

### Advice for firefighters

**Fire Fighting Procedures:** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations..

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.. Use personal protective equipment..

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Wipe up or scrape up and contain for salvage or disposal. Local or national 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 regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. See sections: 7, 8, 11, 12 and 13.

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## 7. HANDLING AND STORAGE

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**Precautions for safe handling:** Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**Conditions for safe storage:** Keep in properly labelled containers. Keep tightly closed. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.  
 Unsuitable materials for containers: None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

| Component                     | Regulation  | Type of listing                                    | Value                    |
|-------------------------------|---|--|--------------------------|
| White mineral oil (petroleum) | ACGIH   | TWA Inhalable particulate matter                   | 5 mg/m3                  |
|                               | Further information: A4: Not classifiable as a human carcinogen |  |                          |
|                               | ARE OEL   | TWA Measured as inhalable fraction of the aerosol. | 5 mg/m3                  |
|                               | Further information: A4: Not Classifiable as a Human Carcinogen |  |                          |
|                               | ARE OEL   | TWA Mist   | 0.2 mg/m3                |
| Calcium hydroxide             | ACGIH   | TWA  | 5 mg/m3                  |
|                               | 2017/164/EU   | TWA Respirable fraction                            | 1 mg/m3                  |
|                               | Further information: Indicative                                 |  |                          |
|                               | 2017/164/EU   | STEL Respirable fraction                           | 4 mg/m3                  |
|                               | Further information: Indicative                                 |  |                          |
| Molybdenum disulfide          | ACGIH   | TWA Inhalable particulate matter                   | 10 mg/m3 ,<br>Molybdenum |
|                               | ACGIH   | TWA Respirable particulate matter                  | 3 mg/m3 ,<br>Molybdenum  |
|                               | ARE OEL   | TWA Respirable dust                                | 3 mg/m3 ,<br>Molybdenum  |
|                               | ARE OEL   | TWA Measured as inhalable fraction of the aerosol. | 10 mg/m3 ,<br>Molybdenum |
| Graphite                      | ACGIH   | TWA Respirable particulate matter                  | 2 mg/m3                  |
|                               | ARE OEL   | TWA Respirable dust                                | 2 mg/m3                  |

### Exposure controls

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

### Individual protection measures

**Eye/face protection:** Use safety glasses (with side shields). Safety glasses (with side shields) should be consistent with EN 166 or equivalent. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

#### Skin protection

**Hand protection:** Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection,

dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material.

Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.

See **SECTION 7: Handling and storage** and **SECTION 13: Disposal considerations** for measures to prevent excessive environmental exposure during use and waste disposal.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

|  |  |
|--|--|
| Physical state                         | paste  |
| Color                                  | black  |
| Odor                                   | slight   |
| Odor Threshold                         | No data available  |
| pH                                     | Not applicable   |
| Melting point/ range                   | No data available  |
| Freezing point                         | No data available  |
| Boiling point (760 mmHg)               | Not applicable   |
| Flash point                            | <b>closed cup</b> >200.0 °C                              |
| Evaporation Rate (Butyl Acetate = 1)   | Not applicable   |
| Flammability (solid, gas)              | Not classified as a flammability hazard                  |
| Lower explosion limit                  | No data available  |
| Upper explosion limit                  | No data available  |
| Vapor Pressure                         | Not applicable   |
| Relative Vapor Density (air = 1)       | No data available  |
| Relative Density (water = 1)           | 1.4  |
| Water solubility                       | No data available  |
| Partition coefficient: n-octanol/water | No data available  |
| Auto-ignition temperature              | No data available  |
| Decomposition temperature              | No data available  |
| Dynamic Viscosity                      | Not applicable   |
| Kinematic Viscosity                    | Not applicable   |
| Explosive properties                   | Not explosive  |
| Oxidizing properties                   | The substance or mixture is not classified as oxidizing. |
| Molecular weight                       | No data available  |
| Particle size                          | No data available  |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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**Reactivity:** Not classified as a reactivity hazard.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, product can form formaldehyde vapours. Safe handling conditions may be maintained by keeping vapour concentrations within the occupational exposure limit for formaldehyde.

**Conditions to avoid:** None known.

**Incompatible materials:** Oxidizing agents

**Hazardous decomposition products**

No hazardous decomposition products are known.

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## 11. TOXICOLOGICAL INFORMATION

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*Toxicological information appears in this section when such data is available.*

**Acute toxicity**

**Acute oral toxicity**

Product test data not available. Refer to component data.

**Acute dermal toxicity**

Product test data not available. Refer to component data.

**Acute inhalation toxicity**

Product test data not available. Refer to component data.

**Skin corrosion/irritation**

Product test data not available. Refer to component data.

**Serious eye damage/eye irritation**

Product test data not available. Refer to component data.

**Sensitization**

Product test data not available. Refer to component data.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Product test data not available. Refer to component data.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Product test data not available. Refer to component data.

**Carcinogenicity**

Product test data not available. Refer to component data.

**Teratogenicity**

Product test data not available. Refer to component data.

**Reproductive toxicity**

Product test data not available. Refer to component data.

**Mutagenicity**

Product test data not available. Refer to component data.

**Aspiration Hazard**

Product test data not available. Refer to component data.

**COMPONENTS INFLUENCING TOXICOLOGY:**

**White mineral oil (petroleum)**

**Acute oral toxicity**

LD50. Rat. > 5,000 mg/kg OECD Test Guideline 401

**Acute dermal toxicity**

LD50. Rabbit. > 2,000 mg/kg OECD Test Guideline 402

**Acute inhalation toxicity**

LC50. Rat. 4 Hour. dust/mist. > 5 mg/l OECD Test Guideline 403

**Skin corrosion/irritation**

Brief contact is essentially nonirritating to skin.

**Serious eye damage/eye irritation**

May cause slight temporary eye irritation.

**Sensitization**

Did not cause allergic skin reactions when tested in guinea pigs.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Carcinogenicity**

Animal testing did not show any carcinogenic effects.

**Teratogenicity**

Did not cause birth defects or any other fetal effects in laboratory animals.

**Reproductive toxicity**

In animal studies, did not interfere with reproduction.

**Mutagenicity**



Animal genetic toxicity studies were negative. In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Calcium hydroxide****Acute oral toxicity**

LD50. Rat. > 2,000 mg/kg OECD Test Guideline 425

**Acute dermal toxicity**

LD50. Rabbit. > 2,500 mg/kg OECD Test Guideline 402

**Acute inhalation toxicity**

LC50. Rat. 4 Hour. dust/mist. > 6.04 mg/l OECD Test Guideline 436

**Skin corrosion/irritation**

Brief contact may cause severe skin irritation with pain and local redness.

**Serious eye damage/eye irritation**

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

**Sensitization**

Did not demonstrate the potential for contact allergy in mice.  
Information given is based on data obtained from similar substances.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

May cause respiratory irritation.  
Target Organs: Respiratory system

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Carcinogenicity**

Animal testing did not show any carcinogenic effects. Toxicity data for a compositionally similar material.

**Teratogenicity**

Did not cause birth defects or any other fetal effects in laboratory animals. Information given is based on data obtained from similar substances.

**Reproductive toxicity**

In animal studies, did not interfere with reproduction. Information given is based on data obtained from similar substances.

**Mutagenicity**

In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

No aspiration toxicity classification

**Molybdenum disulfide**

**Acute oral toxicity**

LD50. Rat. > 2,000 mg/kg No deaths occurred at this concentration.

**Acute dermal toxicity**

LD50. Rat. male and female. > 2,000 mg/kg No deaths occurred at this concentration.

**Skin corrosion/irritation**

Brief contact is essentially nonirritating to skin.

Prolonged contact may cause slight skin irritation with local redness.

**Serious eye damage/eye irritation**

May cause slight temporary eye irritation.

Corneal injury is unlikely.

**Sensitization**

For skin sensitization:

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

No relevant data found.

**Carcinogenicity**

No relevant data found.

**Teratogenicity**

No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

For similar material(s): In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

**Graphite**

**Acute oral toxicity**

LD50. Rat. > 2,000 mg/kg OECD Test Guideline 423

**Acute dermal toxicity**

The dermal LD50 has not been determined.

**Acute inhalation toxicity**

An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration. LC50. Rat. 4 Hour. dust/mist. > 2 mg/l OECD Test Guideline 403

**Skin corrosion/irritation**

Brief contact is essentially nonirritating to skin.

**Serious eye damage/eye irritation**

May cause slight temporary eye irritation.

**Sensitization**

Did not demonstrate the potential for contact allergy in mice.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Teratogenicity**

Did not cause birth defects or any other fetal effects in laboratory animals.

**Reproductive toxicity**

In animal studies, did not interfere with reproduction.

**Mutagenicity**

In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

No aspiration toxicity classification

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## 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information appears in this section when such data is available.*

**Toxicity****White mineral oil (petroleum)****Acute toxicity to fish**

Information given is based on data obtained from similar substances.

LC50. *Leuciscus idus* (Golden orfe). 96 Hour. > 10,000 mg/l. OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

Information given is based on data obtained from similar substances.

EC50. *Daphnia magna* (Water flea). 48 Hour. > 100 mg/l. OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

NOEC. *Pseudokirchneriella subcapitata* (green algae). 72 Hour. 100 mg/l. OECD Test Guideline 201

**Chronic toxicity to aquatic invertebrates**

Based on data from similar materials

NOEC. *Daphnia magna* (Water flea). 21 d. 10 mg/l

**Calcium hydroxide**

**Acute toxicity to fish**

LC50. *Gasterosteus aculeatus* (threespine stickleback). 96 Hour. 457 mg/l. OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

EC50. 48 Hour. 158 mg/l. OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

EC50. *Raphidocelis subcapitata* (freshwater green alga). 72 Hour. 184.47 mg/l. OECD Test Guideline 201

NOEC. *Raphidocelis subcapitata* (freshwater green alga). 72 Hour. 48 mg/l. OECD Test Guideline 201

**Chronic toxicity to aquatic invertebrates**

NOEC. 14 d. 32 mg/l

**Molybdenum disulfide**

**Acute toxicity to fish**

Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

For similar material(s):

LC50. Fish. 96 Hour. > 100 mg/l

**Acute toxicity to aquatic invertebrates**

Based on data from similar materials

EC50. *Daphnia magna* (Water flea). 48 Hour. > 100 mg/l

**Acute toxicity to algae/aquatic plants**

Based on data from similar materials

ErC50. algae. 72 Hour. Growth rate. > 100 mg/l

**Toxicity to bacteria**

EC50. 30 Hour. Respiration rates.. > 100 mg/l

**Chronic toxicity to fish**

Based on data from similar materials

NOEC. Fish. 34 d. > 10 mg/l

**Chronic toxicity to aquatic invertebrates**

Based on data from similar materials

NOEC. *Daphnia magna*. 21 d. > 10 mg/l

**Graphite**

**Acute toxicity to fish**

No toxicity at the limit of solubility

LC50. *Danio rerio* (zebra fish). 96 Hour. > 100 mg/l. OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

No toxicity at the limit of solubility

EC50. *Daphnia magna* (Water flea). 48 Hour. > 100 mg/l. OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

EC50. *Raphidocelis subcapitata* (freshwater green alga). 72 Hour. > 100 mg/l. OECD Test Guideline 201

NOEC. Raphidocelis subcapitata (freshwater green alga). 72 Hour.  $\geq 100$  mg/l. OECD Test Guideline 201

**Toxicity to bacteria**

EC50. 3 Hour.  $> 1,012.5$  mg/l. OECD Test Guideline 209

**Persistence and degradability****White mineral oil (petroleum)**

**Biodegradability:** Not readily biodegradable. Information given is based on data obtained from similar substances.

**Biodegradation:** 31 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301F

**Calcium hydroxide**

**Biodegradability:** Not applicable

**Molybdenum disulfide**

**Biodegradability:** Biodegradability is not applicable to inorganic substances.

**Graphite**

**Biodegradability:** Not applicable

**Bioaccumulative potential****White mineral oil (petroleum)**

**Bioaccumulation:** Bioconcentration potential is high (BCF  $> 3000$  or Log Pow between 5 and 7).

**Partition coefficient: n-octanol/water(log Pow):** 5.18 Measured

**Calcium hydroxide**

**Bioaccumulation:** Partitioning from water to n-octanol is not applicable.

**Molybdenum disulfide**

**Bioaccumulation:** Partitioning from water to n-octanol is not applicable.

**Graphite**

**Bioaccumulation:** Not applicable Not applicable

**Mobility in soil****White mineral oil (petroleum)**

Potential for mobility in soil is low (Koc between 500 and 2000).

**Partition coefficient (Koc):** 510 Estimated.

**Calcium hydroxide**

No data available.

**Molybdenum disulfide**

No relevant data found.

**Graphite**

No relevant data found.

**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects****White mineral oil (petroleum)**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Calcium hydroxide**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Molybdenum disulfide**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Graphite**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal methods:**

Do not dump into any sewers, on the ground, or into any body of water. This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required.

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**14. TRANSPORT INFORMATION**

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**Classification for ROAD and Rail transport:**

Not regulated for transport

**Classification for SEA transport (IMO-IMDG):**

Not regulated for transport

**Transport in bulk  
according to Annex I or II  
of MARPOL 73/78 and the  
IBC or IGC Code**

Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional

transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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## 15. REGULATORY INFORMATION

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### Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Listed in Regulation: Not applicable

Classification and labeling have been performed according to Regulation (EC) No 1272/2008.

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## 16. OTHER INFORMATION

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### Full text of H-Statements referred to under sections 2 and 3.

|      |   |
|------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation.                       |
| H318 | Causes serious eye damage.                    |
| H335 | May cause respiratory irritation.             |

### Revision

Identification Number: 1687697 / A715 / Issue Date: 2025.05.16 / Version: 5.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

### Legend

|             |   |
|-------------|---|
| 2017/164/EU | Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values                          |
| ACGIH       | USA. ACGIH Threshold Limit Values (TLV)   |
| ARE OEL     | Abu Dhabi Emirate - EHSMS Manual, Volume 2, Environment, Health and Safety Protection Policies, Section 2, Part I: EEPP Air Quality Standards |
| STEL        | Short term exposure limit   |
| TWA         | 8-hour, time-weighted average   |
| Asp. Tox.   | Aspiration hazard   |
| Eye Dam.    | Serious eye damage  |
| Skin Irrit. | Skin irritation   |
| STOT SE     | Specific target organ toxicity - single exposure  |

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International

Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### **Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

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