

# Safety Data Sheet

acc. to OSHA HCS

Printing date 10/06/2025

Reviewed on 10/06/2025

- **Product identifier**
- **Trade name:** Plastilube Moly 3
- **Article number:** 10974-3
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**  
SULFLO  
1158 Erie Avenue, Box 728, N. Tonawanda, NY 14120  
USA  
info@sulflo.com
- **Information department:** Technical Department
- **Emergency telephone number:** During Normal Operating Hours: +1 (716) 695-3585

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

### Dangerous components:

|            |                            |          |
|------------|----------------------------|----------|
| 1317-33-5  | molybdenum disulphide      | 1-5%     |
| 108-32-7   | propylene carbonate        | 0.5-1.5% |
| 14808-60-7 | Quartz (SiO <sub>2</sub> ) | 0.1-1%   |

### Additional information:

Product contains Crystalline Quartz as a naturally occurring contaminant. Crystalline Quartz may cause cancer by inhalation. The Crystalline Quartz in this preparation is bound in the product matrix, and not respirable under normal use.

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## 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

### · PAC-1:

|            |                            |                         |
|------------|----------------------------|-------------------------|
| 1317-33-5  | molybdenum disulphide      | 50 mg/m <sup>3</sup>    |
| 108-32-7   | propylene carbonate        | 34 mg/m <sup>3</sup>    |
| 8052-42-4  | Asphaltic Resin            | 30 mg/m <sup>3</sup>    |
| 14808-60-7 | Quartz (SiO <sub>2</sub> ) | 0.075 mg/m <sup>3</sup> |

### · PAC-2:

|            |                            |                       |
|------------|----------------------------|-----------------------|
| 1317-33-5  | molybdenum disulphide      | 260 mg/m <sup>3</sup> |
| 108-32-7   | propylene carbonate        | 370 mg/m <sup>3</sup> |
| 8052-42-4  | Asphaltic Resin            | 330 mg/m <sup>3</sup> |
| 14808-60-7 | Quartz (SiO <sub>2</sub> ) | 8.3 mg/m <sup>3</sup> |

### · PAC-3:

|           |                       |                         |
|-----------|-----------------------|-------------------------|
| 1317-33-5 | molybdenum disulphide | 1,600 mg/m <sup>3</sup> |
| 108-32-7  | propylene carbonate   | 2,200 mg/m <sup>3</sup> |
| 8052-42-4 | Asphaltic Resin       | 2,000 mg/m <sup>3</sup> |

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14808-60-7 Quartz (SiO<sub>2</sub>)

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50 mg/m<sup>3</sup>

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** Semi-Solid
- **Color:** Grey
- **Odor:** Petroleum-like
- **Odor threshold:** Not determined.

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|                                                   |                                                             |
|---------------------------------------------------|-------------------------------------------------------------|
| · <b>pH-value:</b>                                | Not determined.                                             |
| · <b>Change in condition</b>                      |                                                             |
| <b>Melting point/Melting range:</b>               | Undetermined.                                               |
| <b>Boiling point/Boiling range:</b>               | 338 °C (640.4 °F)                                           |
| · <b>Flash point:</b>                             | 290 °C (554 °F)                                             |
| · <b>Flammability:</b>                            | Not applicable.                                             |
| · <b>Auto igniting:</b>                           | 190 °C (374 °F)                                             |
| · <b>Decomposition temperature:</b>               | Not determined.                                             |
| · <b>Ignition temperature:</b>                    | Product is not selfigniting.                                |
| · <b>Danger of explosion:</b>                     | Product does not present an explosion hazard.               |
| · <b>Explosion limits:</b>                        |                                                             |
| <b>Lower:</b>                                     | Not determined.                                             |
| <b>Upper:</b>                                     | Not determined.                                             |
| · <b>Vapor pressure at 20 °C (68 °F):</b>         | 0 hPa                                                       |
| · <b>Density at 20 °C (68 °F):</b>                | 1.07446-1.11714 g/cm <sup>3</sup> (8.96637-9.32253 lbs/gal) |
| · <b>Relative density</b>                         | Not determined.                                             |
| · <b>Vapor density</b>                            | Not determined.                                             |
| · <b>Evaporation rate</b>                         | Not determined.                                             |
| · <b>Solubility in / Miscibility with</b>         |                                                             |
| <b>Water:</b>                                     | Not miscible or difficult to mix.                           |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                                             |
| · <b>Viscosity:</b>                               |                                                             |
| <b>Dynamic:</b>                                   | Not determined.                                             |
| <b>Kinematic:</b>                                 | Not determined.                                             |
| · <b>Solvent content:</b>                         |                                                             |
| <b>Organic solvents:</b>                          | 1.1 %                                                       |
| <b>Water:</b>                                     | 0.1 %                                                       |
| <b>VOC content:</b>                               | 0.00 %                                                      |
|                                                   | 0.0 g/l / 0.00 lb/gal                                       |
| <b>Solids content:</b>                            | 13.7 %                                                      |
| · <b>Other information</b>                        | No further relevant information available.                  |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**64742-01-4 Residual oils (petroleum), solvent-refined**

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | >2,000 mg/kg (rat) |
|------|------|--------------------|

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **NTP (National Toxicology Program)**

|            |                            |   |
|------------|----------------------------|---|
| 14808-60-7 | Quartz (SiO <sub>2</sub> ) | K |
|------------|----------------------------|---|

- **OSHA-Ca (Occupational Safety & Health Administration): (Substances not listed)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

|                                                                                   |                 |
|-----------------------------------------------------------------------------------|-----------------|
| · <b>UN-Number</b>                                                                |                 |
| · <b>DOT, ADN, IMDG, IATA</b>                                                     | not regulated   |
| · <b>UN proper shipping name</b>                                                  |                 |
| · <b>DOT, ADN, IMDG, IATA</b>                                                     | not regulated   |
| · <b>Transport hazard class(es)</b>                                               |                 |
| · <b>DOT, ADN, IMDG, IATA</b>                                                     |                 |
| · <b>Class</b>                                                                    | not regulated   |
| · <b>Packing group</b>                                                            |                 |
| · <b>DOT, IMDG, IATA</b>                                                          | not regulated   |
| · <b>Environmental hazards:</b>                                                   |                 |
| · <b>Marine pollutant:</b>                                                        | No              |
| · <b>Special precautions for user</b>                                             | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                                   | not regulated   |

## 15 Regulatory information

|                                                                                                         |                                            |        |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------|--------|
| · <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | No further relevant information available. |        |
| · <b>Sara</b>                                                                                           |                                            |        |
| · <b>Section 355 (extremely hazardous substances):</b>                                                  | None of the ingredients is listed.         |        |
| · <b>Section 313 (Specific toxic chemical listings):</b>                                                | None of the ingredients is listed.         |        |
| · <b>TSCA (Toxic Substances Control Act):</b>                                                           | All components have the value ACTIVE.      |        |
| · <b>Hazardous Air Pollutants</b>                                                                       | None of the ingredients is listed.         |        |
| · <b>Proposition 65</b>                                                                                 |                                            |        |
| · <b>Chemicals known to cause cancer:</b>                                                               |                                            |        |
| 14808-60-7                                                                                              | Quartz (SiO <sub>2</sub> )                 | 0.1-1% |
| · <b>Chemicals known to cause reproductive toxicity for females:</b>                                    | None of the ingredients is listed.         |        |
| · <b>Chemicals known to cause reproductive toxicity for males:</b>                                      | None of the ingredients is listed.         |        |
| · <b>Chemicals known to cause developmental toxicity:</b>                                               | None of the ingredients is listed.         |        |
| · <b>Carcinogenic categories</b>                                                                        |                                            |        |
| · <b>TLV (Threshold Limit Value)</b>                                                                    |                                            |        |
| 8052-42-4                                                                                               | Asphaltic Resin                            | A4     |

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14808-60-7 Quartz (SiO<sub>2</sub>)

A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**14808-60-7 Quartz (SiO<sub>2</sub>)

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing SDS:** Technical Department
- **Contact:** Ms. McDaniel
- **Date of preparation / last revision** 10/06/2025 / 14
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
- **\* Data compared to the previous version altered.**

US