

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

## 1 Identification

- **Product identifier**
- **Trade name:** PLASTILUBE MOLY 3
- **Article number:** SUL-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)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **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	2.5-<10%
108-32-7	propylene carbonate	1-2.5%

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

**Trade name: PLASTILUBE MOLY 3**

(Contd. of page 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.

## 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.

## 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.

US

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

Trade name: **PLASTILUBE MOLY 3**

(Contd. of page 2)

## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**64742-01-4 Residual oils (petroleum), solvent-refined (50-100%)**

OSHA PEL Long-term value: 5 mg/m<sup>3</sup>

**1317-33-5 molybdenum disulphide (2.5-<10%)**

PEL Long-term value: 15\* mg/m<sup>3</sup>

\*Total dust

TLV Long-term value: 10\* 3\*\* mg/m<sup>3</sup>

as Mo; \*inhalable fraction \*\* respirable fraction

· **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

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 338 °C (640 °F)

· **Flash point:** 290 °C (554 °F)

· **Flammability (solid, gaseous):** Not applicable.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

Trade name: **PLASTILUBE MOLY 3**

(Contd. of page 3)

· <b>Ignition temperature:</b>	190 °C (374 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</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 g/cm <sup>3</sup> (8.966 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with 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>Solids content:</b>	13.7 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **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.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

**ATE (Acute Toxicity Estimates)**

Oral	LD50	2369 mg/kg (rat)
Inhalative	LC50/4 h	367 mg/l

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

(Contd. on page 5)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

Trade name: **PLASTILUBE MOLY 3**

(Contd. of page 4)

- **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**

· <b>IARC (International Agency for Research on Cancer)</b>		
8052-42-4	Asphaltic Resin	2B
14808-60-7	Quartz (SiO <sub>2</sub> )	I
· <b>NTP (National Toxicology Program)</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	K
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
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.

## 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 |

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

Trade name: PLASTILUBE MOLY 3

(Contd. of page 5)

- |  |                 |
|--|-----------------|
| <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 MARPOL73/78 and the IBC Code</b> | Not applicable. |
| <b>· UN "Model Regulation":</b>  | -               |

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

<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 ingredients are listed.
-----------------------------

<b>· Proposition 65</b>	
-------------------------	--

<b>· Chemicals known to cause cancer:</b>	
---	--

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

<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>· EPA (Environmental Protection Agency)</b>	
--	--

None of the ingredients is listed.
------------------------------------

<b>· TLV (Threshold Limit Value established by ACGIH)</b>	
---	--

8052-42-4	Asphaltic Resin	A4
14808-60-7	Quartz (SiO <sub>2</sub> )	A2

<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
---	--

8052-42-4	Asphaltic Resin	
14808-60-7	Quartz (SiO <sub>2</sub> )	

<b>· GHS label elements</b> Void
----------------------------------

<b>· Hazard pictograms</b> Void
---------------------------------

(Contd. on page 7)

US

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/08/2015

Reviewed on 04/08/2015

**Trade name: PLASTILUBE MOLY 3**

(Contd. of page 6)

- **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:** Mr. Wenzler
- **Date of preparation / last revision** 04/08/2015 / 4
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
- **\* Data compared to the previous version altered.**

US