



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

### 1 Identification

- **Product identifier**
- **Trade name:** Molybdenum 5.0% in petrolatum
- **Article number:** M-030
- **Application of the substance / the mixture** Diagnosis of contact allergy
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Chemotechnique MB Diagnostics AB  
Modemgatan 9  
235 39 VELLINGE  
SWEDEN
- **Information department:** Product safety department.
- **Emergency telephone number:**  
8.00 to 16.00 (CET): +46 (0)40 466 077  
Local emergency services during non-office hours

### 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	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

(Contd. on page 2)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 1)

- **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:**

7439-98-7	molybdenum	5.0%
-----------	------------	------

· **Non-hazardous ingredients**

8009-03-8	Petrolatum	95.0%
-----------	------------	-------

### 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.

(Contd. on page 3)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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:**

7439-98-7	molybdenum	30 mg/m <sup>3</sup>
-----------	------------	----------------------

· **PAC-2:**

7439-98-7	molybdenum	330 mg/m <sup>3</sup>
-----------	------------	-----------------------

· **PAC-3:**

7439-98-7	molybdenum	2,000 mg/m <sup>3</sup>
-----------	------------	-------------------------

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
No special measures required.  
FOR EXTERNAL/TOPICAL USE ONLY.
- **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:**  
Store at temperatures between 2 °C and 8 °C
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from sunlight.

(Contd. on page 4)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 3)

- **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**

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

**7439-98-7 molybdenum**

PEL	Long-term value: 15* mg/m <sup>3</sup> *Total dust, as Mo
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.

(Contd. on page 5)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

Trade name: Molybdenum 5.0% in petrolatum

(Contd. of page 4)

- Eye protection: Not required.

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form: Solidified mass

Color: Grey

· Odor: undistinguishable

· Odor threshold: Not determined.

· pH-value: Not applicable.

##### · Change in condition

Melting point/Melting range: 51.6–57.2 °C (124.9–135 °F)

Boiling point/Boiling range: Undetermined.

· Flash point: Not applicable.

· Flammability: Not determined.

· Auto igniting: >290 °C (>554 °F)

· Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

##### · Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapor pressure at 20 °C (68 °F): <0.013 hPa (<0 mm Hg)

· Density at 20 °C (68 °F): 0.87 g/cm<sup>3</sup> (7.26015 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not applicable.

· Evaporation rate: Not applicable.

##### · Solubility in / Miscibility with

Water: Insoluble.

(Contd. on page 6)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 5)

- |   |  |
|---|--|
| · <b>Partition coefficient (n-octanol/water):</b> | 0.77815                                    |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not applicable.                            |
| <b>Kinematic:</b>                                 | Not applicable.                            |
| · <b>Solvent content:</b>                         |  |
| <b>VOC content:</b>                               | 0.00 %                                     |
| <b>Solids content:</b>                            | 100.0 %                                    |
| · <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.

### 11 Toxicological information

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

(Contd. on page 7)



## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 6)

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

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:** Not hazardous for water.

· **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.

US

(Contd. on page 8)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 7)

**14 Transport information**

· <b>UN-Number</b>	
· <b>DOT, IMDG, IATA</b>	not regulated
· <b>UN proper shipping name</b>	
· <b>DOT, 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>	Not applicable.
· <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>	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>		
	7439-98-7   molybdenum	ACTIVE
· <b>Hazardous Air Pollutants</b>		
	None of the ingredients is listed.	

(Contd. on page 9)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 8)

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

7439-98-7 molybdenum

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **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:** Product safety department.

· **Contact:** -

· **Date of preparation / last revision** 05/07/2024 / 5.0

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

(Contd. on page 10)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 10/28/2025

Reviewed on 05/07/2024

**Trade name: Molybdenum 5.0% in petrolatum**

(Contd. of page 9)

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)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit

· \* **Data compared to the previous version altered.**

US