

**TWMP503 LOW FRICTION LUBRICANT
known as Moly Paste****Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

TWMP503 LOW FRICTION LUBRICANT known as Moly Paste

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

Intended use:
Lubricant

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

Enerpac
Galvanistraat
115 Ede Gelderland 6716 AE
Netherlands

Tel: 31-31-853-5911
Fax: 31-31-852-5613

info@enerpac.com

1.4 Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification (CLP):
The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Label elements (CLP):
The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.3 Other hazards

None if used properly.

**TWMPS503 LOW FRICTION LUBRICANT
known as Moly Paste****SECTION 3: Composition/information on ingredients****3.1 Mixtures****General chemical description:**

Lubricant

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Contains no dangerous substances exceeding the limits of the EU-Regulation

SECTION 4: First aid measures**4.1 Description of first aid measures****Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Prolonged or repeated contact may cause skin irritation.

Prolonged or repeated contact may cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media:**

Carbon dioxide, foam, powder

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Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2 Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact.
Ensure adequate ventilation.

6.2 Environmental precautions

Do not empty into drains / surface water / ground water.

6.3 Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.
Dispose of contaminated material as waste according to Section 13.

6.4 Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Vapours should be extracted to avoid inhalation.
Prolonged or repeated skin contact should be avoided
See advice in section 8

Hygiene measures:

Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

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Store in a cool, well-ventilated place.
Keep away from heat and direct sunlight.

7.3 Specific end use(s)

Lubricant

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational Exposure Limits**

Valid for

Great Britain

Ingredient [Regulated substance]	ppm	mg/m³	Value type	Short term exposure limit category / Remarks	Regulatory list
Molybdenum disulphide 1317-33-5 [MOLYBDENUM COMPOUNDS (AS MO), INSOLUBLE COMPOUNDS]		10	Time Weighted Average (TWA):		EH40 WEL
Molybdenum disulphide 1317-33-5 [MOLYBDENUM COMPOUNDS (AS MO), INSOLUBLE COMPOUNDS]		20	Short Term Exposure Limit (STEL):		EH40 WEL

Biological Exposure Indices:

None

8.2 Exposure controls:

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

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This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Wear protective glasses.

Skin protection:
Wear suitable protective clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	paste grey
Odor	mild
Odour threshold	No data available / Not applicable
pH	Not applicable
Initial boiling point	No data available / Not applicable
Flash point	160 °C (320 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	1,9614 g/cm ³
()	
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	Slight
(Solvent: Water)	
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2 Other information

No data available / Not applicable

**TWMPS503 LOW FRICTION LUBRICANT
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Reacts with strong oxidants.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

See section reactivity

10.4 Conditions to avoid

No decomposition if used according to specifications.

10.5 Incompatible materials

See section reactivity

10.6 Hazardous decomposition products

Irritating organic vapours.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

This material is considered to have low toxicity if swallowed.

Inhalative toxicity:

Due to the low volatility of the product there are no hazards associated with inhalation under normal conditions of use

Skin irritation:

Prolonged or repeated contact may cause skin irritation.

Eye irritation:

Prolonged or repeated contact may cause eye irritation.

**TWMP503 LOW FRICTION LUBRICANT
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The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

12.1 Toxicity**Ecotoxicity:**

Do not empty into drains / surface water / ground water.

12.2 Persistence and degradability**Persistence and Biodegradability:**

The product is not biodegradable.

12.3 Bioaccumulative potential / 12.4. Mobility in soil**Mobility:**

Cured adhesives are immobile.

Bioaccumulative potential:

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product disposal:**

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Disposal must be made according to official regulations.

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Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

14.1 UN number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.14.2.

14.2 UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.14.3.

14.3 Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.14.4.

14.4 Packaging group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.14.5.

14.5 Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.14.6.

14.6 Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.14.7.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

VOC content < 3 %
(1999/13/EC)

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

**TWMPS503 LOW FRICTION LUBRICANT
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This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.