



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

1. Identification

1.1. Product identifier

Product Identity

MP50 Moly Paste

Alternate Names

Lub-O-Gard™ "MP50", "MP25"

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

Intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

Lub-O-Seal Company Inc.
17519 Lewis Drive
Cypress, TX 77433

Emergency

24 hour Emergency Telephone No.

Chemtel:
North America Toll Free: 1-800-255-3924
International: +01-813-248-0585

Customer Service: Lub-O-Seal Company Inc.

+01-281-373-0387

2. Hazard(s) identification

2.1. Classification of the substance or mixture

No applicable GHS categories.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

[Prevention]:

No GHS prevention statements

[Response]:

No GHS response statements

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified CAS Number: 0064742-52-5	75 - 100	Asp. Tox. 1;H304	[1]
Molybdenum Disulfide (>99%) CAS Number: 1317-33-5	1-5	Not Classified	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard. [2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance. *The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	Induce vomiting until vomit is clear. Seek medical attention

4.2. Most important symptoms and effects, both acute and delayed

Overview	<u>Skin:</u> Defatting to the skin. Overexposure can cause irritation and dermatitis. <u>Eyes:</u> Eye irritant. May cause redness, tearing and blurred vision <u>Inhalation:</u> Not expected <u>Ingestion:</u> May cause nausea, vomiting or diarrhea.
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5. Fire-fighting measures

5.1. Extinguishing media - Dry chemical, foam, CO2, water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide

5.3. Advice for fire-fighters

Fire may produce dense smoke, firefighters should wear self contained breathing apparatus.
Use water to cool fire-exposed containers, containers heated by fire can support combustion

ERG Guide No. ----



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions - Do not allow spills to enter drains or waterways

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up - Mop up or otherwise absorb and hold for disposal.

7. Handling and storage

7.1. Precautions for safe handling - Use good personal hygiene practices

7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store in a cool, dry location. Do not store near open flame or sparks. Keep container closed during storage.

Incompatible materials: Strong oxidizers, concentrated oxygen.

7.3. Specific end use(s) - For institutional use only.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
1317-33-5	Molybdenum Disulphide	OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA
		NIOSH	5 mg/m3 TWA* (Total dust) *soluble compounds as Mo
		Supplier	No Established Limit
0064742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic, base oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

	appropriate, certified respirators.
Eyes	Safety glasses or face shield if method of dispensing promotes splashing.
Skin	Safety gloves are recommended.
Engineering Controls	Local exhaust suggested.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance	Dark Gray Paste
Odor	Hydrocarbon
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	600°F
Flash Point	> 450°F (TCC)
Evaporation rate (Ether = 1)	< 1
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Measured
Vapor pressure (Pa)	< 10
Vapor Density	> 1
Specific Gravity	1.01
Solubility in Water	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
% Volatile	2.8%
Texture	Buttery with an Oily Texture

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

Excessive heat and open flame.

10.5. Incompatible materials

Strong oxidizers, concentrated oxygen.

10.6. Hazardous decomposition products

Carbon monoxide

11. Toxicological information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	> 5,000.00, Rat - Category: NA	No data available	No data available	5.70, Rat - Category: NA	No data available
Molybdenum Disulphide - (1317-33-5)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

Aspiration hazard	---	Not Applicable
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12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified - (64742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Molybdenum Disulphide - (1317-33-5)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard	DOT Hazard Class: Not	IMDG: Not Applicable	Air Class: Not Applicable



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

class(es)	Applicable	Sub Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable
14.5. Environmental hazards		
IMDG	Marine Pollutant: No	
14.6. Special precautions for user	No further information	

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	Not Regulated
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): No Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information



Safety Data Sheet MP50 Moly Paste

Revision Date: 07/1/2015

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