

# Safety Data Sheet

## Copper Plate No. 1

SDS Revision Date:

06/18/2016

### 1. Identification

#### 1.1. Product identifier

**Product Identity** Copper Plate No. 1

**Alternate Names** MIL-PRF-907

#### 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

Carc. 1A;H350 May cause cancer.

#### 2.2. Label elements

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



**Danger**

H350 May cause cancer.

#### [Prevention]:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe mist / vapors / spray.

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P262 Do not get in eyes, on skin, or on clothing.

P281 Use personal protective equipment as required.

**[Response]:**

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P308+313 IF exposed or concerned: Get medical advice / attention.

P331 Do NOT induce vomiting.

**[Storage]:**

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

### 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	50 - 75	Asp. Tox. 1;H304	[1]
Lead Compounds (as Pb) CAS Number: 0007439-92-1	10 - 25	Carc. 1A;H350 Aquatic Acute 1;H400	[1] wpl= Yes
Copper CAS Number: 0007440-50-8	10 - 25	Not Classified	[1] wpl= Yes
Graphite CAS Number: 0007782-42-5	1.0 - 10	Not Classified	[1] wpl= Yes
TALC (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) CAS Number: 0014807-96-6	1.0 - 10	Not Classified	[1] wpl= Yes

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

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recognized skin cleanser.

### Ingestion

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

#### Overview

Skin: Defatting to the skin. Prolonged or repeated exposure can cause irritation and dermatitis.

Eyes: Eye irritant. May cause redness, tearing and blurred vision

Inhalation: Not expected

Ingestion: May cause nausea, vomiting or diarrhea

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

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. See section 2 for further details.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Foam, dry chemical, CO2 and Halon

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide

Do not breathe mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

### 5.3. Advice for fire-fighters

Special Fire Fighting Procedures: Avoid use of water streams, If ignited, product may produce dense smoke, firefighters should wear self contained breathing apparatus.

Unusual Fire & Explosion Hazards: Drums heated by fire can support combustion.

ERG Guide No. ----

## 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

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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

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For industrial and institutional use only

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong oxidizers, concentrated oxygen

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0007439-92-1	Lead Compounds (as Pb)	OSHA	[1910.1025] TWA 0.050 mg/m <sup>3</sup>
		ACGIH	TWA: 0.05 mg/m <sup>3</sup> R, 2B, 2A
		NIOSH	TWA (8-hour) 0.050 mg/m <sup>3</sup>
		Supplier	No Established Limit
0007440-50-8	Copper	OSHA	TWA 1 mg/m <sup>3</sup> [*Note: The PEL also applies to other copper compounds (as Cu) except copper fume.]
		ACGIH	TWA: 0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dusts and mists)
		NIOSH	TWA 1 mg/m <sup>3</sup> [*Note: The REL also applies to other copper compounds (as Cu) except Copper fume.]
		Supplier	No Established Limit
0007782-42-5	Graphite	OSHA	TWA 15 mg/m <sup>3</sup> TWA 15 mppcf
		ACGIH	TWA: 2 mg/m <sup>3</sup>
		NIOSH	TWA 2.5 mg/m <sup>3</sup> (resp)
		Supplier	No Established Limit
0014807-96-6	TALC (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	OSHA	TWA 20 mppcf
		ACGIH	Containing asbestos fibres TWA: 0.1 f/cc (K) A1, 1Containing no asbestos fibres TWA:2 mg/m <sup>3</sup> (E) (respirable)
		NIOSH	TWA 2 mg/m <sup>3</sup> (resp)
		Supplier	No Established Limit
0064742-52-5	Distillates (petroleum), hydrotreated heavy	OSHA	No Established Limit

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	naphthenic; Baseoil-unspecified	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.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0007439-92-1	Lead Compounds (as Pb)	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: Yes
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0007440-50-8	Copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007782-42-5	Graphite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0014807-96-6	TALC (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0064742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### Eyes

Safety glasses or face shield if method of dispensing promotes splashing.

#### Skin

Protective gloves recommended.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### 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.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

#### Appearance

Dark bronze paste

#### Odor

Mild petroleum

#### Odor threshold

Not determined

#### pH

Not Measured

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<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	> 600 F
<b>Flash Point</b>	450 F (TCC)
<b>Evaporation rate (Ether = 1)</b>	< 1
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	< 10
<b>Vapor Density</b>	> 1
<b>Specific Gravity</b>	1.43
<b>Solubility in Water</b>	Not Measured
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured

### 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

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.

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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.

Copper dust and mists: Can cause irritation of eyes, mucous membranes, skin and respiratory tract.

Chronic overexposures: Can cause reduction in the number of red blood cells (anemia), skin abnormalities (pigmentation changes) and hair discoloration.

Copper fume: Can cause irritation of eyes, mucous membranes and respiratory tract.

Acute overexposures: Can cause nausea, fever, chills, shortness of breath and malaise (metal fume fever).

Wilson's disease may be affected by copper exposure.

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
Lead Compounds (as Pb) - (7439-92-1)	No data available	No data available	No data available	No data available	No data available
Copper - (7440-50-8)	2,500.00, Rat - Category: 5	>2,000.00, Rat - Category: 5	No data available	5.11, Rat - Category: NA	No data available
Graphite - (7782-42-5)	No data available	No data available	No data available	No data available	No data available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	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	1A	May cause cancer.
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

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### 12. Ecological information

#### 12.1. Toxicity

Toxic to aquatic life

#### 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
Lead Compounds (as Pb) - (7439-92-1)	0.44, Cyprinus carpio	4.40, Daphnia magna	0.25 (72 hr), Scenedesmus subspicatus
Copper - (7440-50-8)	0.0103, Pimephales promelas	0.0025, Daphnia magna	0.018 (72 hr), Pseudokirchneriella subcapitata
Graphite - (7782-42-5)	Not Available	Not Available	Not Available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	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.

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### 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Applicable	UN3082	UN3082
<b>14.2. UN proper shipping name</b>	Not applicable for containers of 70 lbs or less	Environmentally hazardous substances, liquid, n.o.s., (Lead, Copper Powder)	Environmentally hazardous substances, liquid, n.o.s., (Lead, Copper Powder)
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG: 9</b> <b>Sub Class:</b> Not Applicable	<b>Air Class: 9</b>
<b>14.4. Packing group</b>	Not Applicable	PG III	PG III
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: (Lead, Copper Powder)		
<b>14.6. Special precautions for user</b>	No further information		

### 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	D2A
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> No <b>Immediate (Acute):</b> No <b>Delayed (Chronic):</b> Yes
<b>EPCRA 311/312 Chemicals and RQs (lbs):</b>	Copper ( 5,000.00) Lead Compounds (as Pb) ( 10.00)
<b>EPCRA 302 Extremely Hazardous:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313 Toxic Chemicals:</b>	Copper Lead Compounds (as Pb)
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	Lead Compounds (as Pb) TALC (Mg3H2(SiO3)4)
<b>Proposition 65 - Developmental Toxins (&gt;0.0%):</b>	

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Lead Compounds (as Pb)

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

Lead Compounds (as Pb)

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

Lead Compounds (as Pb)

**New Jersey RTK Substances (>1%):**

Copper

Graphite

Lead Compounds (as Pb)

TALC (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

**Pennsylvania RTK Substances (>1%):**

Copper

Graphite

Lead Compounds (as Pb)

TALC (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

H350 May cause cancer.

H400 Very toxic to aquatic life.

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

End of Document