

# Material Safety Data Sheet



**LEAD (METAL) FOIL**

**VERSION : 02**

**DATE OF ISSUE : 26-08-2019**

**SUPERSEDES : 01**

**Product Code : 15260**

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Trade name** : LEAD(METAL) FOIL

**Product code** : 15260

**Identification of the product** : LEAD (METAL) FOIL

**CAS No** : 7439-92-1

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

**Identified uses** : Industrial. For professional use only.

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

**Company identification** : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,  
Mumbai – 400 002 (INDIA)

Tel:+91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat  
Textile Co.,Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

**Emergency number** : +91 22 4066 8111 (10:00am - 6:00 pm).

## **2. Hazards identification -DSD**

### **2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

**Classification** : Xn; 48/20/22

R33

N; R50-53

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

**Health hazards** : Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP : STOT RE 2) H373

**Environmental hazards** : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning (CLP : Aquatic Acute 1) H400

Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning (CLP : Aquatic Chronic 1) H410

### **2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s) : T :** Toxic

**N :** Dangerous for the environment



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**R Phrase(s) : R61 :**

May cause harm to the unborn child.

**R33 :**

Danger of cumulative effects.

**R40 :**

Limited evidence of a carcinogenic effect.

**R48/20/22 :**

Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

**R50/53 :**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**R62 :**

Possible risk of impaired fertility.

**S Phrase(s) : S53 :**

Avoid exposure - obtain special instructions before use.

**S36/37 :**

Wear suitable protective clothing and gloves.

**S45 :**

In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

**S60 :**

This material and its container must be disposed of as hazardous waste.

**S61 :**

Avoid release to the environment. Refer to special instructions/Safety data sheets.

## Labelling Regulation EC 1272/2008 (CLP)

### Hazard pictograms



**Signal words : Warning**

**Hazard statements : H373 :**

May cause damage to organs through prolonged or repeated exposure.

**H410 :**

Very toxic to aquatic life with long lasting effects.

### Precautionary statements

• **Prevention : P260:**

Do not breathe dust, fume, gas, mist, vapours, spray.

**P273:**

Avoid release to the environment.

• **Response : P391:**

Collect spillage.

**P314:**

Get medical advice if you feel unwell.

• **Disposal considerations : P501:**

Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## 3. Composition/information on ingredients

### 3.1 Substances

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Formula : Pb  
Molecular weight : 207,20 g/mol  
CAS-No. : 7439-92-1  
EC-No. : 231-100-4

<b>Component</b>	<b>Classification</b>	<b>Concentration</b>
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**Lead** Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)

CAS-No. 7439-92-1	Repr. 1A; Lact. ; STOT RE	<= 100 %
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EC-No. 231-100-4	1; H360FD, H362, H372	
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Concentration limits:

>= 2,5 %: Repr. 2,

H361f; >= 0,5 %: STOT

RE 2, H373; >= 0,03 %:

Repr. 1A, H360D;

M-Factor - Aquatic Acute:

1 - Aquatic Chronic: 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

## **4. First aid measures**

### **4.1. Description of first aid measures**

#### **General advice**

Show this material safety data sheet to the doctor in attendance.

#### **If inhaled**

After inhalation: fresh air. Call in physician.

#### **In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.

#### **In case of eye contact**

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

#### **If swallowed**

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3. Indication of any immediate medical attention and special treatment needed**

No data available

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## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Nature of decomposition products not known. Not combustible. Ambient fire may liberate hazardous vapours.

### **5.3. Advice for fire-fighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

### **5.4 Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8..

### **6.2. Environmental precautions**

No special precautionary measures necessary.

### **6.3. Methods and material for containment and cleaning up**

Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **6.4. Reference to other sections**

For disposal see section 13.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Work under hood. Do not inhale substance/mixture.

#### **Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

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

#### **Storage conditions**

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Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

## **Storage class**

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

## **7.3. Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **8. Exposure controls/personal protection**

### **8.1. Exposure controls**

**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

### **8.2. Control parameters**

**Occupational Exposure Limits** : No data available.

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

a) Physical state	solid
b) Color	No data available
c) Odor	No data available
d) Melting point/freezing point	Melting point: 326 °C at ca.1.013 hPa - OECD Test Guideline 102
e) Initial boiling point and boiling range	1.740 °C
f) Flammability (solid, gas)	No data available
g) Upper/lower flammability or explosive limits	No data available
h) Flash point	Not applicable
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	No data available
l) Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available

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m) Water solubility	0,185 g/l at 20 °C at 1.013 hPa - OECD Test Guideline 105- partly soluble
n) Partition coefficient: n-octanol/water	Not applicable for inorganic substances
o) Vapor pressure	No data available
p) Density	11,45 g/cm <sup>3</sup> at 23,8 °C at 1.013 hPa - OECD Test Guideline 109
Relative density	11,45 at 23,8 °C - OECD Test Guideline 109
q) Relative vapor density	
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	none

## 9.2. Other information

No data available

## 10. Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

no information available

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

In the event of fire: see section 5

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Oral: Harmful if swallowed. Inhalation:gas: Harmful if inhaled.
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage the unborn child. Suspected of damaging fertility.
Specific target organ toxicity (single exposure)	: Not classified

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Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.

Additional information : There are potential chronic health effects to consider  
Aspiration hazard : Not classified

## **12. Ecological information**

### **12.1. Toxicity**

No data available.

### **12.2. Persistence - degradability**

Biodegradability

Result: - According to the results of tests of biodegradability this product is not readily biodegradable. Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

### **12.3. Bioaccumulative potential**

Bioaccumulation

Oncorhynchus kisutch - 2 Weeks - 150 µg/l(Lead)

Bioconcentration factor (BCF): 12

### **12.4. Mobility in soil**

No data available

### **12.5. Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6. Other adverse effects**

#### **Product:**

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7 Other adverse effects**

Discharge into the environment must be avoided.

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

No data available

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## **14. Transport information**

### **14.1. Land transport (ADR-RID)**

**General information :** Not regulated.

### **14.2. Sea transport (IMDG) [English only]**

**General information :** Not regulated.

### **14.3. Air transport (ICAO-IATA) [English only]**

**General information :** Not regulated.

## **15. Regulatory information**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **Authorisations and/or restrictions on use**

REACH - Candidate List of Substances of Very : Lead

High Concern for Authorisation (Article 59).

REACH - Restrictions on the manufacture, : Lead  
placing on the market and use of certain  
dangerous substances, mixtures and articles  
(Annex XVII)

#### **Other regulations**

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

Take note of Dir 94/33/EC on the protection of young people at work.

### **15.2. Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

## **16. Other information**

**Abbreviations and acronyms :** PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008 **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage,

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## End of document

**Prepared by: MOLYCHEM (INDIA)**

**For questions contact: MOLYCHEM**

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