

# SAFETY DATA SHEET

## Lead Sheet (Metal)

Document No: SDSPB001

Version No:001

Uncontrolled When Printed

**Central**  
milled lead

specified • sustainable • delivered

### Section 1. IDENTIFICATION OF THE PRODUCT AND COMPANY UNDERTAKING

Product Name/Description: Metallic Lead

Substance name	lead massive [particle diameter $\geq$ 1 mm]
REACH registration no.	01-2119513221-59-0000
<b>Identification numbers</b>	
CAS no.	7439-92-1
EC no.	231-100-4

1.1 Use: Construction industry use for roofing, flashing and cladding.

1.2 Supplier: Central Milled Lead  
The Lead Mill, Rolling Mill Road  
Norton Canes, Cannock.  
Staffordshire. WS11 9UH  
Tel: 01543 495250 Fax: 01543 495251

### Section 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Lact.; H362

Repr. 1A; H360FD STOT

RE 1; H372

##### Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3 and 4 of Annex I to CLP.



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Norton Canes • Cannock • Staffordshire • WS11 9UH

Company registered in England & Wales No. 04291304 VAT Registration No: 855 0715 24

www.centralmilledlead.com

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Product identifier

7439-92-1 (lead massive [particle diameter  $\geq 1$  mm])

#### Hazard pictograms



GHS08

#### Signal word

Danger

#### Hazard statement(s)

H360FD May damage fertility. May damage the unborn child.  
H362 May cause harm to breast-fed children.  
H372 Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure by inhalation or ingestion.

#### Precautionary statement(s)

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 Wear protective clothing/eye protection/face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P405 Store locked up.  
P501 Dispose of contents/container to a facility in accordance with local/regional/national/international regulations.

#### Supplemental label elements

"Restricted to professional users"

#### Labelling information

In the form in which it is marketed, the product causes no danger to health for humans through inhalation, swallowing or contact with the skin. There is therefore no obligation to label the product in accordance with:

- regulation 1272/2008 (CLP: annex I; 1.3.4.: "Metals in massive form, alloys, mixtures containing polymers, mixtures containing elastomers).

## 2.3 Other hazards

Melting or operations generating dust, fume or vapours can result in sufficient lead entering the body to be hazardous to health. Oxidation products (including lead compounds) may also form on the surface of metallic lead. Lead is heavy and care should be taken when lifting and handling.

#### PBT assessment

The product is not considered to be a PBT.

#### vPvB assessment

The product is not considered to be a vPvB.



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## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Ingredient:	Lead
3.2 EU No:	231-100-+4
3.3 Cas No:	7439-92-1
3.4 Content %:	Over 99%

## Section 4. FIRST AID MEASURES

4.1 Eye Contact:	Dust or fume in the eye should be removed by flushing with running water for approx. 15 minutes. If irritant persists seek medical attention.
4.2 Skin Contact:	After removing contaminated clothing, wash hands and face with soap and water. Lead should not normally irritate the skin. Do not induce vomiting but encourage drinking of water. Seek medical attention.

## Section 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:	Dry powder, CO2, Water Spray or Foam
5.2 Exposure Hazards:	In case of fires, hazardous toxic fumes may be produced: Lead Fume: lead Oxide
5.3 Advice for Fire-fighters	Appropriate breathing apparatus may be required. Wear protective clothing.

## Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precaution:	Ensure adequate ventilation. Wear protective clothing, eye protection, gloves and respiratory protection when exposed to hazardous levels of lead dust or fume.
6.2 Environmental Precaution:	Do not allow to enter drains/surface water/groundwater.
6.3 Clean up Procedure:	Spillages should be cleaned up and placed in a sealed container, to be disposed of via a secondary smelter.

## 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	Lead is a heavy metal and should be handled with care using HSE Manual Handling Regulations to avoid injury. Protective Gloves, clothing and boots should be worn and follow personal hygiene procedures.
7.2 Storage:	Store ingots and sheet lead in a dry area.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control Parameters: Lead 8 hours 0.15mg/m<sup>2</sup> Lead exposure may be confirmed by elevated levels of lead in the bloodstream. Medical examinations during employment are statutory requirements where exposure to lead is significant. (ref: Control of Lead at Work Regulations 2002, and Approved Code of Practice and guidance.) Biological monitoring of workers should be implemented.
- 8.2 Respiratory Protection: Wear approved respiratory protection if ventilation of the workplace is inadequate, when melting lead or when exposed to lead dust or fume.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance: Bluish grey soft metal
- 9.2 Odour: None
- 9.3 Melting Temperature: 327°C
- 9.4 Boiling Point: > 600°C
- 9.5 Relative Density: 11.34g/cm<sup>3</sup>
- 9.6 Flashpoint: n/a
- 9.7 Solubility on Water: Insoluble

## Section 10. STABILITY AND REACTIVITY

- 10.1 Stability: Stable under normal conditions of use
- 10.2 Reactivity: No reactive hazards are expected under normal conditions of use.
- 10.3 Conditions to Avoid: n/a
- 10.4 Incompatible Materials: Strong oxidising agents: Ammonium Nitrate, Sodium Azide, Hydrogen Peroxide, Zirconium, Sodium Carbide and Chlorine Trifluoride.
- 10.5 Hazardous Decomposition Products: No decomposition if used as directed.

## Section 11. TOXICOLOGICAL INFORMATION

Lead in sheet form is not a significant health hazard. However the details below are relevant when exposed to fumes from melting Lead.

- 11.1 Inhalation: Prolonged exposure to lead dust or fume may affect kidney, blood, reproductive, digestive and nervous systems.



- 11.2 Ingestion: Absorption of Lead following ingestion or inhalation is variable. Prolonged unprotected exposure could lead to symptoms of Lead poisoning but this is rare.
- 11.3 Skin Contact: Prolonged unprotected exposure could lead to symptoms of Lead poisoning but this is rare.
- 11.4 Eye Contact: Possible irritant.

## Section 12 ECOLOGICAL INFORMATION

- 12.1 Mobility in Soil: Solid Lead is not considered mobile.
- 12.2 Accumulation: Lead compounds have bioaccumulative potential
- 12.3 Degradation: Lead is not biodegradable.

## Section 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste Treatment: Surplus metal may be returned to Central Milled Lead for recycling. If this is not possible dispose of as hazardous waste. Do not allow product to reach sewage systems. And observe any local and national regulations.

## Section 14. TRANSPORT INFORMATION

- 14.1 Not classified as dangerous for transportation.

## Section 15. REGULATORY INFORMATION

- 15.1 Statutory Regulations Control of Lead at Work Regulations 2002  
Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4)

## Section 16. OTHER INFORMATION

The application and use of this soft metal presents negligible risk provided sensible cleanliness in the workplace is adopted together with the appropriate personal hygiene regime.

