

Revision: 1.1

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## Section 1. Identification

### 1.1 Product Identifier 1607

|                       |   |
|-----------------------|---|
| Product Name          | LEAD METAL SHOT   |
| CAS Number            | 7439-92-1   |
| REACH Registration No | A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date. |
| Molecular Formula     | Pb = 207.2  |

### 1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

### 1.3 Supplier Vickers Laboratories Ltd



Grangefield Industrial Estate  
Richardshaw Road  
Pudsey  
West Yorkshire  
LS28 6QW  
UNITED KINGDOM

Phone 44 0113 2362811  
Fax +44(0)113 2362703  
Email [safety@viclabs.co.uk](mailto:safety@viclabs.co.uk)  
Website [www.viclabs.co.uk](http://www.viclabs.co.uk)

### 1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811 (24hr) 112 (Have this document to hand)

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### Classification according to regulation 1272/2008/EC

|  |  |
|--|--|
| Acute toxicity, category 4 (oral)          | H302: Harmful if swallowed.  |
| Acute toxicity, category 4 (inhalation)    | H332: Harmful if inhaled.  |
| Reproductive toxicity, category 1A         | H360: May damage fertility or the unborn child.                          |
| Spec target organ tox - repeat, category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |
| Hazard to aquatic environment, category 1  | H400: Very toxic to aquatic life.  |
| Hazard to aquatic environment, category 1  | H410: Very toxic to aquatic life with long lasting effects.              |

### 2.2 Label elements

#### Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



**Hazard Statements** May damage fertility or the unborn child. Harmful if inhaled. Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

**Precautionary Statements** Use personal protective equipment as required. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

## Section 3. Composition

### 3.1 Substances

| Component | CAS No.   | EEC No.   | REACH No. | Conc w/w | CLP Classification (1272/2008/CE)   |
|-----------|-----------|-----------|-----------|----------|---|
| Lead      | 7439-92-1 | 231-100-4 |           | 100%     | Acute Tox. 4 (O), Acute Tox. 4 (I), Repr. 1A, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1 |

## Section 4. First Aid

### 4.1 Description of first aid measures

|                                      |  |
|--------------------------------------|--|
| Eyes                                 | No treatment required.                   |
| Skin                                 | Wash with plenty of soap and water.      |
| Inhalation                           | Remove from exposure.                    |
| Ingestion                            | Get immediate medical advice/attention.  |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

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

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

|                     |  |
|---------------------|--|
| Extinguishing Media | Consider what other flammable materials are present and act accordingly. |
| Unsuitable Media    | Nothing specified.   |

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

|         |                                   |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

### 5.3 Advice for firefighters

|                         |  |
|-------------------------|--|
| Advice for firefighters | Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. |
|-------------------------|--|

## Section 6. Accidental Release Measures

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

|                     |  |
|---------------------|--|
| Personal Protection | Wear protective gloves / protective clothing / eye protection / face protection. |
|---------------------|--|

### 6.2 Environmental precautions

Environmental                      Avoid release to the environment, refer to special instructions/safety data sheet.

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

Major Spillage                      Pick up.  
Minor Spillage                      Pick up.

### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

No specific precautions.

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

Well ventilated, cool, dry storage .

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

| Component | CAS No    | Concentration | Workplace Exposure Limits |                         |
|-----------|-----------|---------------|---------------------------|-------------------------|
|           |           |               | Long Term (8hr TWA)       | Short Term 15min period |
| Lead      | 7439-92-1 | 100%          | -                         | -                       |

Exposure data source(s)      No occupational exposure data currently available.

### 8.2 Exposure controls

Respiratory Protection          Avoid creating dust. Wear respiratory protection.  
Hand Protection                      Wear gloves.  
Eye Protection                      No specific hazard through eye contact although the wearing of safety glasses is advised.  
Skin Protection                      If skin contact or contamination of clothing is likely, protective clothing must be worn.  
Special Hazards                      No special precautions required.

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance                      Grey metal shot.  
Odour                                  No specific odour.  
pH                                      Not applicable  
Boiling Point                      1740°C  
Melting Point                      327°C  
Flash Point                        Not applicable  
Upper Flammable Limit          Not applicable  
Lower Flammable Limit          Not applicable  
Auto Ignition                      Not applicable  
Explosive Properties              No.  
Oxidising Properties              No.  
Vapour Pressure                      Not applicable  
Relative Density                      Not available  
Water Solubility                      Insoluble in water.

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|      |                                    |                                 |
|------|------------------------------------|---------------------------------|
| 10.1 | Reactivity                         | No data available.              |
| 10.2 | Chemical Stability                 | Stable under normal conditions  |
| 10.3 | Possibility of hazardous reactions | No data available.              |
| 10.4 | Conditions to Avoid                | No specific conditions.         |
| 10.5 | Incompatible Materials             | No specific materials to avoid. |
| 10.6 | Hazardous Decomposition Products   | None.                           |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |  |
|----------------------|--|
| Eyes                 | Presents no significant health hazard to the eyes.   |
| Skin                 | Presents no significant hazard by skin contact.  |
| LD50 Skin            | Not available  |
| Ingestion            | Harmful if swallowed.  |
| LD50 Oral            | Not available  |
| Inhalation           | Harmful if inhaled.  |
| LD50 Inhalation      | Not available  |
| TCLo                 | Not available  |
| Carcinogenicity      | Not considered to be a carcinogen.   |
| Mutagenicity         | May cause harm to the unborn child.  |
| Reproductive Effects | May damage fertility or the unborn child.  |
| Other Information    | Chronic lead poisoning may occur from dust inhalation. Anaemia and other blood effects are the most common. Early symptoms of poisoning include fatigue, headache, sleep disturbances, aching bones and muscles, gastrointestinal disturbances and reduced appetite. Large doses affect the central nervous system causing severe headaches, convulsions, coma, kidney damage and death. |

## Section 12. Ecological

|      |                                  |   |
|------|----------------------------------|---|
| 12.1 | Toxicity                         | Very toxic to aquatic life with long lasting effects. |
|      | LC50 Algal                       | Not available   |
|      | LC50 Crustacea                   | Not available   |
|      | LC50 Fish                        | Not available   |
| 12.2 | Persistence and degradability    | No data available.                                    |
| 12.3 | Bioaccumulative potential        | No data available.                                    |
| 12.4 | Mobility in soil                 | No data available.                                    |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required.                              |
| 12.6 | Other adverse effects            | None known at present.                                |

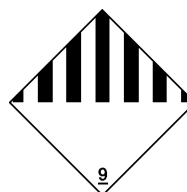
## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |                                      |
|------------------------|--------------------------------------|
| Disposal Methods       | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water.      |

## Section 14. Transport Information

|  |   |
|--|---|
| 14.1 UN Number   | 3077  |
| 14.2 Proper Shipping Name  | Environmentally hazardous substance, solid, N.O.S. (Lead Group entry Annex 1) |
| 14.3 Transport classes   |   |
| UN classification  | 9   |
| Subsidiary hazard(s)   | None  |
| Transport category   | 3   |
| ADR Hazard ID  | 90  |
| Tunnel Restriction Code  | E   |
| Single packs and combination packages containing inner packs of up to 5L or 5Kg are excluded from regulation (ADR 2.2.9.1.10, IMDG code 2.10.3). |   |
| 14.4 Packing Group   | III   |
| 14.5 Environment hazards   | Marine pollutant.   |
| 14.6 Special precautions for user  | No special precautions required.  |
| 14.7 Transport in bulk   | Not transported in bulk.  |



## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Acute toxicity, category 4 (oral); Acute toxicity, category 4 (inhalation); Reproductive toxicity, category 1A; Spec target organ tox - repeat, category 2; Hazard to aquatic environment, category 1; Hazard to aquatic environment, category 1

Signal word Danger

Hazard Pictograms



Hazard Statements H360, H332, H302, H373, H410  
May damage fertility or the unborn child. Harmful if inhaled. Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary Statements P281, P260, P264, P270, P301+P312, P330  
Use personal protective equipment as required. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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