



**Grade name:** Lead metal powder [particle diameter <1mm]  
**Substance:** Lead  
**EC Number:** 231-100-4  
**CAS Number:** 7439-92-1  
**Substance Type:** Mono-constituent substance  
**Degree of purity:** 99.9 % (w/w)

**Composition:**

Constituent	Typical concentration	Concentration range	Remarks
lead EC no.: 231-100-4	99.9 % (w/w)	≥ 99.8 — ≤ 99.999 % (w/w)	
Impurity	Typical concentration	Concentration range	Remarks
Different metal impurities not affecting classification of substance		≥ 0.0 — ≤ 0.2 % (w/w)	Metal impurities in the range <0.2% (w/w): e.g. Sb, Sn, Cu, Al, Zn, Fe, Cr, Se, Mg, Mn, Na, Ba, Sr, In, Ga, Te, Ag, Bi, Au, Ca, Pt; metal impurities in the range <0.1% (w/w): Ni, Co, Tl, Hg; metal impurities in the range <0.025% (w/w): As, Cd.

**HARMONISED CLASSIFICATION IN ACCORDANCE WITH THE CLASSIFICATION LABELLING AND PACKAGING REGULATION EC (NO) 1272/2008**

Repr. 1A; H360FD: May damage fertility. May damage the unborn child.  
Lact.: H362; May cause harm to breast-fed children.

**INDUSTRY SELF-CLASSIFICATION\***

Repr. 1A; H360FD: May damage fertility. May damage the unborn child.  
Lact.; H362: May cause harm to breast-fed children.  
STOT RE1; H372: Causes damage to organs through prolonged or repeated exposure.  
Aquatic Chronic 1; H410: Very toxic to aquatic life with long lasting effects.  
Aquatic Acute 1; H400: Very toxic to aquatic life.

**Specific Concentration Limits, M-Factors**

**SCL:**

Repr. 1A; H360D: C ≥ 0.03%  
STOT RE 1; H372: C ≥ 0.5%

**M-Factor:**

Aquatic Acute 1: 10  
Aquatic Chronic 1; 1

**CLP LABELLING**

Signal word: Danger

Hazard pictograms:

GHS08: health hazard



GHS09: environment



Hazard statements:

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.
H410	Very toxic to aquatic life with long lasting effects.

**Notes:**

**Industry self-classification explanation\***

Lead metal powder (particle diameter <1mm) is included in Regulation (EC) No 1272/2008 Annex VI Table 3.1 under the entry “lead powder; [particle diameter <1mm]” (Index No 082-013-00-1), which was introduced by the 9<sup>th</sup> ATP to CLP. As such, this entry is legally binding and must therefore be cited on both the label and SDS from the date of application stated in the 9<sup>th</sup> ATP. However, for endpoints not covered by the Annex VI entry, the manufacturer, importer or downstream user is required to self-classify the substance in accordance with the CLP Regulation. Industry proposes to classify lead metal powder (particle diameter <1mm) in line with the latest scientific data and knowledge, to include “STOT RE1; H372: Causes damage to organs through prolonged or repeated exposure”, “Aquatic Chronic 1; H410: Very toxic to aquatic life with long lasting effects” and “Aquatic Acute 1; H400: Very toxic to aquatic life”.

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