



Safety Data Sheet

According to 1907/2006/EC, Article 31

Printing date 15.06.2021

Version number 3

Revision: 15.06.2021

LEAD FREE PEWTER CASTING ALLOY

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

- **Trade name:** Lead Free Pewter Casting Alloy
- **Utilization of the substance of the formulation:** Moulding & Casting.

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

Application for the substance / the preparation: High grade lead-free alloy, suited for casting of highly-detailed pieces where a bright polished finish is required. Manufactured in accordance with requirement of BS EN611-1:1996 Pewter and Pewterware.

- **Uses advised against:** None known.

· **1.3 Details of the supplier of the safety data sheet**

- **Supplier:**
DWR plastics
Broadway
Newport
Shropshire
TF10 7TP
Tel: +44 (0) 07576028547
Email: info@dwrplastics.com

- **1.4 Emergency telephone number:** + 44 (0) 07576028547

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture.



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SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterization: Mixture

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

SECTION 4: First Aid Measures

4.1 Description of first aid measures

- General Information:** Normal use does not require special measures.
- Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.
- Skin Contact:** Not likely to have a harmful effect on the skin. Wash hands with soap and water after handling solder. If any skin irritation develops seek medical attention.
- If Inhaled:** If irritation occurs remove to fresh air. Get medical attention.
- Ingestion:** Not regarded as normal occupational hazard. Seek medical attention.
- 4.2 Most important symptoms and effects, both acute and 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: Firefighting measures

· 5.1 Extinguishing media

- Suitable extinguishing agents:** Dry chemical, carbon dioxide, water spray or foam.
- Unsuitable extinguishing agents:** Water jet.

· 5.2 Special hazards arising from the substance or mixture: None known.



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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:** Not applicable.
- **6.2 Environmental precautions:** Not applicable.
- **6.3 Methods and material for containment and cleaning up:** Not applicable.
- **6.4 Reference to other sections**
 See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
- **Technical measures:** See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- **Local/Total ventilation:** Use with adequate ventilation.
- **Hygiene measures:** Wash hands with soapy water after handling, particularly before eating, drinking and smoking.
- **7.2 Conditions for safe storage, including any incompatibilities:** Store in a cool dry place.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.
- **Eye protection:** Safety glasses.
- **Skin & Body protection:** Skin should be washed after contact.
- **Respiratory protection:** Not necessary.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information	
· Appearance:	
Form:	Solid
Colour:	Silver-white alloy
· Odour: None	
· Odour threshold: Not determined	
· pH-value:	
Melting point/Melting range:	255°C
Boiling point/Boiling range:	Not applicable
· Flash point: Not applicable	
· Flammability (solid, gaseous): Non-flammable	
· Ignition temperature: Not applicable	
· Decomposition temperature: Not applicable	
· Self-igniting: Not applicable	
· Danger of explosion: Not applicable	
· Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
· Vapour pressure: Not applicable	
· Density at 20 °C: 7.44g/cc	
· Evaporation rate: Not applicable	
· Solubility in / Miscibility with water: Insoluble	
· Viscosity: Not determined	
· Solvent content:	
Organic solvents:	None
VOC (EC)	None

· 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Not classified as a reactivity hazard.

10.2 Chemical stability: Stable.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: None known.

10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products: None known.



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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Information on likely routes of exposure:** *Inhalation, skin contact, ingestion, eye contact.*
- **Acute toxicity** *Based on available data the classification criteria are not met.*
- **Chronic Toxicity:** *None known.*
- **Skin corrosion/irritation:** *Based on available data, the classification criteria are not met.*
- **Serious eye damage/irritation:** *Based on available data, the classification criteria are not met.*
- **Respiratory or skin sensitisation:** *Based on available data, the classification criteria are not met.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** *Based on available data, the classification criteria are not met.*
- **Germ cell mutagenicity:** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity:** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity:** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure:** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure:** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard:** *Based on available data, the classification criteria are not met.*
- **Potential health effects:**
 - **Inhalation:** *None.*
 - **Ingestion:** *None.*
 - **Skin:** *None.*
 - **Eyes:** *None.*

SECTION 12: Ecological information

- **12.1 Toxicity**
- **12.2 Persistence and degradability:** *No further relevant information available.*
- **12.3 Bio accumulative potential:** *No further relevant information available.*
- **12.4 Mobility in soil:** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** *Not applicable.*
 - **vPvB:** *Not applicable.*
- **12.6 Other adverse effects:** *No further relevant information available.*



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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Wherever possible unwanted solder should be recycled for recovery of metal. Otherwise disposal should be in accordance with local and national legislation. In the UK this is the control of Pollution Act 1974, the Environmental Protection Act 1990 and regulations made under them.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms:** Not applicable.
- **Signal word:** Not applicable.
- **Hazard statements:** Not applicable.
- **Precautionary statements** Not applicable.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Environment protection department

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU)