

Safety Data Sheet according to 1907/2006/EC, Article 31 and EU2015/830

Printing date: 01.10.2020 Version number 2

Revision: 01.10.2020

Product name: Model Metal

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

1.1. Product identifier

Product Form: 125gr metal bars
Product name: Model Metal
Product Code: Pa2047 and PA2048
Asin:

1.2. Relevant identified uses of the substance or mixture

Domestic casting of metal miniatures ie toysoldier

Uses advised against:

Do not use for fishing weights or bullets.

1.3. Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

An Grupa Edman Teo
Kilnamartyra
Macroon P12 FN79
Ireland
Tel. +353 26 40222
Email info@princeaugust.ie

Further information obtainable from: our website princeaugust.ie**1.4. Emergency telephone number** 00 353 86 2591 755. 8-8 GMT

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008:**

Hazardous to the aquatic environment
Chronic hazard category 2

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008:** void**Hazard pictograms:****Signal word:** Warning

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

Hazard statements:

As supplied this product is not hazardous, however this product might become toxic if not used as instructed. Not for toy usage.

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2.3. Other hazards: Molten metal can cause serious burns.

Do not heat above 550c to avoid fumes.

Results of PBT and vPvB assessment:

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

3.2. Mixtures

Description: White Metal .

| Name | Product identifier | % | Classification 1272/2008 (CLP) |
|----------------|---------------------|-----------|--------------------------------|
| Lead | EC 231-100-4 | 54 | not classified |
| Bismuth | EC 231-177-4 | 35 | not classified |
| Tin | EC 231-141-8 | 11 | not classified |

Dangerous components: lead massive

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures required.

After skin contact:

If the unlikely event of irritation wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
The alloy cannot be absorbed by skin

After eye contact:

Rinse opened eye for several minutes under running water.
Seek medical attention if problems persist.

After swallowing:

It is unlikely to cause any symptoms but if it does seek medical treatment.

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

No acute symptoms. Prolonged exposure may cause damage to central nervous system, blood and kidneys.

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

Weakness, insomnia, headache and possible paralysis.

SECTION 5: Firefighting measures

5.1. Extinguishing media Suitable extinguishing agents:

Foam
Carbon dioxide (CO₂)
Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents: Water with full jet

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5.2. Special hazards arising from the substance or mixture

The product is not combustible.

5.3. Advice for firefighters Protective equipment: none**Additional information: not flammable**

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Leadfumes develop in heats over 550c

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course. Dumping into the environment must be prevented.

6.3. Methods and material for containment and cleaning up

Pick up mechanically.

Dispose of the material collected according to regulations.

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

Wash hands after use

Information about fire - and explosion protection: none known

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7.2. Conditions for safe storage, including any incompatibilities

None known

Storage: dry storage**Requirements to be met by storerooms and receptacles:** none known.**Information about storage in one common storage facility:**

Keep away from food, drink and animal feeding stuffs.

Further information about storage conditions:

Store in dry conditions.

Storage class: not known**7.3. Specific end use(s)** for domestic use.

* SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

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8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product contains 54% lead

8.2. Exposure controls

Personal protective equipment:

Not needed

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:

Not needed. The product cannot be skin absorbed.

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Material of gloves:

Not applicable

Penetration time of glove material:

Not applicable.

Eye protection:

Recommendation: Safety glasses

Body protection: not needed

Limitation and supervision of exposure into the environment: Dumping into the environment must be prevented.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid

Colour: silver

Odour: none

Change in condition

Melting point/freezing point: 138c.

Initial boiling point and boiling range: Undetermined.

Flash point: na

Ignition temperature: na

Explosive properties: Product does not present an explosion hazard.

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| | |
|--|--|
| Density at 20 °C: | 1.8- 1.9 g/cm ³ |
| Solubility in / Miscibility with water: | Insoluble. |
| 9.2. Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable under standard conditions (temperature, pressure) of storage and handling.

10.2. Chemical stability The product is stable under standard conditions (temperature, pressure) of storage and handling.

10.3. Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid

none.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Poisonous gases/vapours

* SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Under 550c there are no fumes. Based on available data, the classification criteria are not met.

LD/LC50 values: No information available.

Primary irritant effect: Metal in their solid state are not hazardous.

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):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Lead is classified as a 2b carcinogen but evidence is based on animal test not on humans.

Reproductive toxicity: Toxic to Reproduction

STOT-single exposure: Very low risque.

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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.

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SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: Prolonged exposure may be toxic.

12.2. Persistence and degradability very slow.

12.3. Bioaccumulative potential No further relevant information available.

12.4. Mobility in soil No further relevant information available.

General notes:

Do not allow product to reach ground water, water course or sewage system. Avoid transfer into the environment.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable. **vPvB:** Not applicable.

12.6. Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods Recommendation:

Waste disposal according to official state regulations.

Waste disposal key: not known

Uncleaned packaging: void

Recommendation:

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1. UN-Number

ADR, ADN, IMDG, IATA, RID

3077

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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

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| | |
|---|-----------------|
| ADR, IMDG, IATA | Void. |
| 14.5. Environmental hazards | |
| Marine pollutant: | Yes |
| 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

EU-Regulations

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

National regulations: National legislation has to be observed!**Information about limitation of use:**

Not to be used for under 14 years of age.

Other regulations, limitations and prohibitive regulations: National legislation has to be observed!**15.2. Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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Training hints:

The product should only be handled by persons, who were informed sufficiently about the nature of the product and about the necessary safety precautions.

Abbreviations and acronyms:

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative