

MATERIAL SAFETY DATA SHEET according to EC-direction 93/112/EC**1. IDENTIFICATION OF THE SUBSTANCE**

Product Name: ATOMISED BRASS POWDER

2. COMPOSITION INFORMATION OF INGREDIENTS

- Chemical characterization
- Description: Mixture of substance listed below with non-hazardous additions

• Dangerous Components:		
• CAS: 7440-50-8 EINECS: 231-159-6	• Copper	• 70-90%

- Additional information: For the wording of the listed risk phrases refer to section 16

3. HAZARDS IDENTIFICATION

- Hazard description:
Not applicable.
- Information concerning particular hazards for human and environments:
The product does not have to be labelled due to the calculation procedure of the "General Classification Guideline for Preparations of the EU" in the latest valid version.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. FIRST-AID MEASURES

- General information:
No special measures required.
- After inhalation:
Supply fresh air; consult doctor in case of complaints.
- After skin contact:
Generally the product does not irritate the skin.
Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
Rinse opened eye for several minutes under running water.
- After swallowing:
If symptoms persist, consult doctor.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Protective equipment:
No special measures required
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6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions:
Not required.

6. ACCIDENTAL RELEASE MEASURES cont.

- Measures for environmental protection:
No special measures required
- Measures for cleaning/collecting:
Pick up mechanically.
- Additional information:
No dangerous substances are released.

7. HANDLING AND STORAGE

Handling:

- Information for safe handling:
No special measures required.
Keep receptacles lightly sealed.
- Information about fire – and explosion protection:
No special measures required.

Storage:

- Requirements to be met by storerooms and receptacles:
No special requirements.
- Information about storage in one common storage facility:
Not required.
- Further information about storage conditions:
None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Additional information about design of technical facilities:
No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:
7440-50-8 copper
OES Short-term value: 2** mg/m³
 Long-term value: 0.2* 1** mg/m³
 * fume **dusts and mists
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Personal and protective equipment:

- General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.

- Protection of hands:
Protective Gloves: Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
 - Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
 - Penetration time of the glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION cont.

- Eye protection:
Goggles recommend during refilling.
- Body protection:
Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- General information:

Form:	Powder
Colour:	Gold Coloured
Odour:	Odourless
- Change in condition:

Melting point /range:	Undetermined
Boiling point / range:	907°C
Flash point:	Not applicable
Self-igniting:	Product is not self-igniting
Danger of Explosion:	Product does not present an explosion hazard
Density at 20°C:	8.414 g/cm ³
Solubility in /	
Miscibility with water:	Insoluble
Solvent content:	
Organic Solvents:	0.0 %
Solids content:	100.0%

10. STABILITY AND REACTIVITY

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions:
No dangerous reactions known.
- Dangerous decomposition products:
No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

- Primary irritant effect:
 - On the skin: No irritant effect
 - On the eye: No irritant effect
- Sensitization: No sensitizing effects known

Additional toxicological information:

- The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12. ECOLOGICAL INFORMATION

- General Notes: Generally not hazardous for water

13. DISPOSAL CONSIDERATIONS

Product:

- Recommendation: Must not be disposed of with general waste
Hand over to hazardous waste disposers
- Waste disposal key: 12 01 02

Uncleaned Packaging:

- Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

- ADR/RID class: -
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Maritime transport IMDG:

- IMDG Class: -
- Marine pollutant: No
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Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: -
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- Transport / Additional information: Not dangerous according to the above specifications.

15. REGULATORY INFORMATION

- Labelling according to EU guidelines:
Observe the general safety regulations when handling chemicals
FLINTS THEATRICAL CHANDLERS, 39 Queen's Row, London, SE17 2PX
Tel: 020 7703 9786 Email: sales@flints.co.uk Web: www.flints.co.uk

- The product is not subject to identification regulations under EU directives and the ordinance on Hazardous Materials (German GefStoffV).

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- National Regulations:

- Technical Instructions (air):

Class	Share in %
III	70.0

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- Waterhazard class:
Generally not hazardous for water.

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: Marketing Department
- Contact: sales@flints.co.uk