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Date of issue:

Material Safety Data Sheet Jesmonite Bronze Powder

1. Identification of the Substance/Preparation and Company

Product Name: Jesmonite Bronze Powder

Company Address:

Tersus Limited. Challenge Court, Bishop's Castle, Shropshire, SY9 5DW

Tel: +44 (0) 1588 630302

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2. Composition/Information on Ingredients

Substance: Bronze powder, CU/SN/ZN alloy, copper 87 - 89%, tin 9 - 11%, zinc 1 - 3 %.

3. Hazards Identification

May cause irritation if powder enters the eyes. Breathing dust may cause metal fume fever.

4. First Aid Measures

Inhalation: Fresh air. If suspect symptoms appear, seek medical advice.

Ingestion: Unlikely. No specific first aid required.

Eyes: Rinse thoroughly with water. If discomfort persists, seek medical advice.

Skin contact: Was with mild soap and water. For rashes - seek medical advice.

Wounds: Clean thoroughly and remove all powder particles.

5. Fire Fighting Measures

Extinguishing media: Normal incombustible product.

6. Accidental Release Measures

Collect with vacuum cleaner to avoid excess dust. Place in separate container for disposal.

7. Storage and Handling

Handling procedures

Prevention

Avoid repeated skin and eye contact. In case of dust release during operation, collect the dust nearest to the emission point.

Precautions

Ensure adequate ventilation (general in the workshop and specific for the mixing facility).

Safe handling advice

Not applicable.

Technical measures

Good stock rotation

Packaging materials

Open top plastic containers.

8. Exposure Controls/Personal Protection

Preventative measures

Avoid dusty working conditions.

Use sufficient dust extraction.

Wash hands thoroughly after handling.

Personal protection

In case of insufficient ventilation, suitable respiratory equipment with fine particle filter (p2) should be worn. Wear suitable gloves and goggles (if there is any risk of eye contact).

9. Physical and Chemical Properties

Melting point 1082°C

Boiling point 2324°C

Flash point N/A

Explosion limit N/A

Solubility N/A

Bulk density 3.0 - 5.0 g/cm₃

Viscosity N/A

10. Stability and Reactivity

Chemical stability

Stable at normal handling and storage conditions. Violent reactions with nitric acid, acetylene and oxidising agents.

11. Toxicological Information

Copper oral - rat TDLo 152mg/kg

12. Ecological Information

Copper is toxic to fish and lower forms of life. Avoid contamination of land and waterways.

13. Disposal Considerations

Spillage should be collected with a vacuum cleaner to avoid excess dust. Dispose in a safe manner in accordance with local regulations.

14. Transport Information

Non classified

15. Regulatory Information

Non classified.

16. Other Information

The contents and format of this MSDS are in accordance with the EEC Commission Directive 91/155/EEC.

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