



Date of revision: 10.04.02

Date of issue:

## Material Safety Data Sheet Jesmonite Copper Powder

### 1. Identification of the Substance/Preparation and Company

**Product Name:** Jesmonite Copper Powder

**Company Address:**

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

**Tel:** +44 (0) 1588 630302

**Fax:** +44 (0) 1588 630304

### 2. Composition/Information on Ingredients

**Substance:** Copper powder, copper 99.3%, TLV (mg/m<sub>3</sub>) 1.0%.

### 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/cm<sub>3</sub>

**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.

**Disclaimer of Liability**

The information in this MSDS was obtained from sources we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be acceptable.