



Date of revision: 10.04.02  
Date of issue:

## Material Safety Data Sheet Jesmonite Powders

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

**Product Name:** Jesmonite Powders (see note 1)

**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

**Generic Name**

Calcium Sulphate Alpha

**Chemical Name**

Calcium Sulphate Hemihydrate

**Chemical Composition**

$\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$

**Ingredients contributing to the hazards**

May contain plasticising agents, a range of fillers and aluminate.

### 3. Hazards Identification

May cause skin irritation (mechanical effect).

May cause irritation in case of eye contact.

### 4. First Aid Measures

Skin contact: Wash the affected area carefully with soap and clean water.

Eye contact: Wash eyes immediately with plenty of clean water and seek medical advice if irritation persists.

### 5. Fire Fighting Measures

Non-flammable product which does not favour other products combustion.

**Extinguishing media** – Not applicable.

### 6. Accidental Release Measures

On spillage

By brush and shovel as appropriate.

**Personal precautions**

Dust mask and glasses

**Environmental precautions**

Follow paragraph 13 instructions.

### 7. Storage and Handling

**Handling procedures**

**Prevention:** Avoid repeated skin and eye contact with dry and the hydrated powder. In case of dust release during operation, collect dust to nearest the emission point.

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

**Safe handling advice:** Not applicable.

**Storage Conditions**

**Technical measures:** Good stock rotation.

**Storage conditions:** Store clear of the ground and protect from moisture, condensation and heat.

**Packaging materials:** Polyethylene lined bags.

### 8. Exposure Controls/Personal Protection

**Personal protective equipment**

No applicable.

**Exposure limits**

Total inhalable dust = 10mg/m<sub>3</sub>/8h

Respirable dust = 4mg/m<sub>3</sub>/8h

(occupational exposure standards)

## 9. Physical and Chemical Properties

<b>Physical State</b>	Powder
<b>Colour</b>	White
<b>Odour</b>	None
<b>pH (5% in pure water)</b>	8.4
<b>Relative Density</b>	2.75
<b>Melting Point</b>	1610°C
<b>Water Solubility (25C-50g/1)</b>	6.5
<b>Flammability</b>	N/A
<b>Explosive Properties</b>	N/A

**NB:** Additions of plasticiser and fillers will affect colour, relative density and water solubility.

## 10. Stability and Reactivity

Stable product which does not cause any dangerous reactions with other substances

### Hazardous decomposition products

None

### Conditions to avoid

None

### Use measures

None

## 11. Toxicological Information

<b>Acute toxicity ingestion</b>	Not toxic
<b>Inhalation</b>	Not toxic
<b>Skin irritation</b>	Irritant
<b>Eye irritation</b>	Irritant

## 12. Ecological Information

No effects when paragraph 13 measures are followed.

## 13. Disposal Considerations

### Procedure

Dispose of the product in a rubbish dump on conditions that it is not mixed to organic waste. Do not throw away the product in the sewerage system, purely for mechanical reasons.

## 14. Transport Information

Not classified as hazardous for transport purposes.

## 15. Regulatory Information

**EEC Regulatory Information:** None

Packaging disposal according to the local disposal regulations.

## 16. Other Information

This safety data sheet does not exempt the user from knowing and abiding by the legislation ruling his activity.

### *Disclaimer of Liability*

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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.

## Note 1

This product safety data sheet is issued to cover the following materials:

Jesmonite AC100 Powders  
Jesmonite AC200 Soft Composite Powders  
Jesmonite AC300 Multicast Powders  
Jesmonite AC400 Powders