



Material Safety Data Sheet

Jesmonite AC100 Powders

1. Identification of the Substance/Preparation and Company

Product Name: Jesmonite AC100 Powders

Company Address:

Jesmonite 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

None

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, and/or dust extraction (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: Polythene lined plastic pail, bulk paper sacks.

8. Exposure Controls/Personal Protection

Personal protective equipment

Dust mask and glasses.

Exposure limits

Total inhalable dust = 10mg/m³/8

Respirable dust = 4mg/m³/8h
(occupational exposure standards)

9. Physical and Chemical Properties

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

Acute toxicity ingestion	Not toxic
Inhalation	Not toxic
Skin irritation	Irritant
Eye irritation	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.

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