

MATERIAL SAFETY DATA SHEET: JESMONITE BASE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name

JESMONITE BASE

Company Address:

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

Information in case of emergency:

Tel:+44 (0) 1588 630302 Fax:+44 (0) 1588 630304 Web: www.jesmonite.co.uk Email: sales@jesmonite.co.uk

2. HAZARDS IDENTIFICATION

Description of Hazard:

These products are not classified and dangerous/hazardous under Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (Chip 3).

Additional effects for people and environment:

This material will harden and become very hot when mixed with Jesmonite AC100/200/300 liquids. Avoid skin contact and do not attempt to make a cast enclosing any part of the body. If these instructions are not followed, severe burns could result leading to surgical removal of the affected skin or even amputation of the limb.

Powders may irritate eyes or sensitive skin.

Dust may irritate respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition :

Principally calcium sulphate hemihydrate and natural constituents, which may include clay, limestone and trace amounts of quartz. Minor amounts (less than 1.0%) of other additives may be included.

CaSO₄ x 0,5 H₂O

CAS number 26499-65-0 (Plaster of Paris)

Einecs number 231-900-3

Dangerous Substances

| Cas-No | Name | Content | R - Phrase | Category of Danger | OEL |
|--------|------|---------|------------|--------------------|------|
| None | None | None | None | None | None |

Ref section 16 - Other information for full details of R-Phrases and danger categories.

| Cas-No | Name | Content | WEL Long Term (8hr) mg.m3 | WEL Short Term (15 min)mg.3 |
|------------|------------------|---------|---------------------------|-----------------------------|
| 26499-65-0 | Plaster of Paris | >90% | 10 Inhalable 4 Respirable | None |

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. HANDLING AND STORAGE

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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