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Material Safety Data Sheet Jesmonite AC720 Composite Powders

1. Identification of the Substance/Preparation and Company

Product Name: Jesmonite AC720 Composite Powders

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

A cement preparation consisting:

1. Calcium aluminate
2. Calcium sulphate
3. Calcined clay
4. Silica sand

This product is a composition of blended powders.

3. Hazards Identification

Classification: Irritant

Human effects: Dry powder, has no effects on dry skin. When mixed with water, an alkaline solution is produced. A dust problem may occur in confined spaces.

Environmental effects: No effects, blended powders are slightly soluble in water.

4. First Aid Measures

Skin contact: Wash the affected areas with plenty of clean water.

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

Inhalation: If irritation occurs, move subject to fresh air. If nose or airways become inflamed, seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water and give patient plenty of water to drink. Move subject to fresh air.

5. Fire Fighting Measures

The substance is not flammable and does not support burning or dangerous synergistic reactions with other materials, provided that these substances themselves are stable.

6. Accidental Release Measures

On spillage

Spilt material may be collected for re-use, provided that no contamination has occurred.

Environmental precautions

Do not empty material into drain, sewers/water courses, as substance hardens when in contact with water.

7. Storage and Handling

Storage Conditions: Store in dry conditions, preferably above ground on pallets protected by shrink-wrapping. This will prevent moisture ingress and prolong shelf life.

Handling Procedures: Wear personal protective equipment and clothing to avoid contact with the skin and eyes.

8. Exposure Controls and Personal Protection

Personal protective equipment: N/A

Exposure limits:

Total inhalable dust = 10 mg/m³/8
Respirable dust = 4 mg/m³/8h
(occupational exposure standards)

9. Physical and Chemical Properties

Physical state	Particulate
pH water solution	12 – 13
Relative density	approx. 2.5
Bulk density	550 – 600 kg/m ³
Fineness	<300 µ
Flammability	N/A
Explosive properties	N/A

10. Stability and Reactivity

Instability: This material is considered stable.

Conditions contributing to:

Chemical instability	None
Hazardous decomposition products	None
Special precautions	None

11. Toxicological Information

The material has no known toxic or carcinogenic effects.

12. Ecological Information

Stable in soil. No photodegradation with sunlight. There may be an increase in pH when mixed with water.

13. Disposal Considerations

Procedure

Dispose of empty bags or material at an authorised disposal site.

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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