

CEMENT PLASTER

COMPANY DETAILS

Name : MANDOVAL VERMICULITE (PTY) LTD

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1451

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ALRODE

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1. Product Identification

Fire Protection Plaster (Cement based)
Tekrok 'C'
Tekrok 'S'
Tekrok Cast
Tekrok Trowel Grade

2. Composition

Vermiculite, Lime, Cement (Mica in some instances, Super-Pozz and rheological agents in factory prepack activated with water.

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3. **Hazardous Identification of Product.**

- 3.1 Mica may cause irritation of the eye
- 3.2 Cement may cause allergic reaction in sensitive persons
- 3.3 Lime may cause irritation of the skin in sensitive persons

4. **First Aid Measures**

- 4.1 Flush eyes with copious amounts of water should Mica enter the eye
- 4.2 Consult with doctor should eye irritation persist.
- 4.3 Skin contact with cement/lime. Wash hands/face/skin with soap and water. Should there be any irritation, consult a doctor.

Vermiculite is classified as a nuisance dust and is non-toxic, environmentally friendly and does not contain asbestos. An independent study from the University of Ontario, Canada, is available on request.

5. **Fire Fighting Measures**

Vermiculite plasters are themselves passive fire protection products and as such constitute no fire hazard.

6. **Accidental Release Measures**

- 6.1 Avoid excessive contact with skin (sensitive persons)
- 6.2 Can cause nuisance if flushed into sewer system as vermiculite will float.
- 6.3 Removal whilst wet can be achieved with water. After setting, mechanical methods would have to be employed as the plaster, when in place and dry, is tough to remove.

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7. Handling and Storage

No special precautions other than to store off ground on pallets and keep dry.

8. Exposure Controls / Personal Protection

- 8.1 Goggles must be worn whilst spraying because of possibility of Mica contaminants.
- 8.2 Gloves should be worn as plaster has high alkaline levels and may cause irritation to skin.

9. Physical and Chemical Properties

- 9.1 Physical properties : Grey in colour, drying lighter, almost to white
- 9.2 pH : Alkaline in all cases = 12 – 12.5
- 9.3 Density ranges from 350 - 1090 kg/m³ dry in place (see application procedures for more detail).
- 9.4 Toxicity : None
- 9.5 Solubility : Mixes into water to pumpable consistency
- 9.6 Premix Vermiculite/Cement/Lime/Super-Pozz – just add water
- 9.7 Packed into 15kg/20kg/25kg woven polypropylene bags with black plastic inner.

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10. Stability and Reactivity

- Stable
- Water based (when mixed)
- Non-reactive
- Delayed solubility

11. Toxicological Information

No ill effects when properly handled

12. Ecological Information

- Environmentally friendly vermiculite
- No disadvantageous effects

13. Disposal Considerations

No special needs

14. Transport Information

Non-hazardous therefore does not require any special transport precautions.

15. Regulatory Information

- Non-combustible
- Non-hazardous
- Non-toxic (when handles correctly)

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16. Other Information

This information constitutes, in Mandoval' s opinion, a true reflection of our plaster products. When handled correctly by our trained applicators they will not cause any harmful problems.

EXCLUSION OF LIABILITY

The information contained in this document is based on current knowledge and experience at the date of publication. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty regarding the product properties.