

➤ Material Safety Data Sheet: Pre-Mixed Sand & Cement

1. APPLICATION

Pre-mixed Sand & Cement in various ratios (3:1, 4:1 etc.) is designed for use in concrete repair, masonry patch repair, as a bedding concrete etc. Pre-mixed Sand & Cement should be used in accordance with the relevant National and/or European Standards and Codes of Practice.

2. COMPOSITION

The dry product contains cement, lime (calcium hydroxide), fine aggregates and admixtures and is delivered in either silos, 25kg paper bags or 10kg plastic bags. Pigments may be added to colour the products to customer requirements.

3a. HAZARD IDENTIFICATION – DRY PRODUCT

Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

3b. HAZARD IDENTIFICATION – WET PRODUCT

Irritating to eyes and skin. May cause burns after prolonged contact. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Eye Contact: Irrigate eyes with water or saline solution for at least FIFTEEN minutes. Seek medical advice without delay.

Skin Contact: Remove contaminated clothing. Wash immediately with plenty of water.

Inhalation: Remove from exposure. If respiratory tract becomes inflamed, seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water and give plenty of water to drink.

In all cases of doubt or where symptoms persist medical advice must be obtained.

5. FIRE FIGHTING MEASURES

Non-combustible. Product will not facilitate combustion with other materials.

6a. ACCIDENTAL RELEASE MEASURES – DRY PRODUCT

Wearing suitable personal protective equipment, use vacuum system and minimise generation of airborne dust.

6b. ACCIDENTAL RELEASE MEASURES – WET PRODUCT

Wearing suitable protective equipment place spilled material in a suitable container. The product will set as a hard material.

6c. ACCIDENTAL RELEASE – HARDENED PRODUCT

Sets as a hard inert material.

7. HANDLING & STORAGE

- Avoid contact with eyes and skin.
- Wear protective clothing as detailed in Clause 8.
- Bulk dry product must only be stored in Kilsaran silos before being mixed with water and used. Product dispensed from the silo usually sets to solid material within 3 hours and may not be stored.
- Bulk bags and packed products must be stored clear of the ground in cool, dry conditions and protected from wind, rain and external physical damage.
- Packed products must be stored in unopened bags.

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- The hardened product should be disposed of according to local regulations.

8. EXPOSURE CONTROLS

- Exposure by inhalation may be avoided by the correct use of a Kilsaran silo, which dispenses the wet product only.
- Wear suitable protective gloves, overalls and safety helmets in all situations.
- Wear suitable goggles to prevent eye contact from dust and particles.
- Wear suitable respiratory protection (such as dust masks) when exposure to the dry product is likely.

9. PHYSICAL & CHEMICAL PROPERTIES

When dry, Sand & Cement is a powder, usually grey in colour or coloured to customer requirements. The wet product is a thickslurry, grey in colour or coloured to customer requirements. The pH level of the product is strongly alkaline.

10. STABILITY & REACTIVITY

Chemically stable. Usually hardens to solid material on standing for 3 hours after being mixed with water.

11. TOXICOLOGICAL INFORMATION

Risk of burns, irritant dermatitis and sensitisation from skin contact.

12. ECOLOGICAL INFORMATION

Wet product may be toxic to aquatic life. No long-term ecological effects.

13. DISPOSAL CONSIDERATIONS

Wearing appropriate personal protective equipment, place spilled wet product in a suitable container. The product will set as a hard material.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

15. REGULATORY INFORMATION

Risk Phrases

Irritant: X_i

- Risk of serious damage to eyes – R41
- Irritating to respiratory system – R 37 (dry product)
- Irritating to the skin – R 38
- Contains chromium (VI). May produce an allergic reaction.

Safety Phrases

- Wear suitable protective clothing and gloves - S36, S37
- After contact with skin, wash immediately with plenty of water - S24/s25
- Avoid contact with eyes/wash immediately with plenty of water—S28/S26
- Do not breathe dust – S22
- Keep locked up
- Keep out of reach of children
- In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

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