



PROTEC GREEN PTE LTD

SAFETY DATA SHEET

Data No.: SDS20231018

1. IDENTIFICATION OF PRODUCT

Trade Name: **NEWERA CEMENT**
Criteria: **CEM II**

Use of Product: Cements are used in industrial installations to manufacturer/formulate hydraulic binders for building and construction work, such as ready-mix concrete, mortars, renders, grouts, plasters as well as precast concrete.

Manufacturer /Supplier:

PROTEC GREEN PTE LTD

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2. INFORMATION OF INGREDIENTS

Substances: Not Applicable

Mixture: Main raw materials are Silica Fume, Siliceous Fly ash, Limestone, clay and iron ingredient.

3. HAZARDS IDENTIFICATION

Cement dust may cause irritation of the respiratory system.

When cement reacts with water, for instance when making concrete or mortar, or when the cement becomes damp, alkaline solution is produced and may provoke skin, respiratory system and eye irritation.

4. FIRST AID MEASURES

Inhalation: Move the person to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical advice for discomfort.

Skin contact: For dry cement, remove and rinse abundantly with water.

Eye contact: Immediate flush eyes, including under lids with copious amounts of water for at least 15 minutes and seek immediate medical attention.

Ingestion: Do not induce vomiting. If the person is conscious, wash out mouth with water and give plenty of water to drink. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Cements are non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials. No special procedures required.

6. ACCIDENT RELEASE MEASURES

Personal precautions : Wear respiratory protective mask and equipment.

Environment precautions : Do not flush cement down sewage and drainage system or into surface water.

Methods for cleaning : Collect the spillage in a dry state if possible.



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Dry cleaning with brushes can be done, ensure that the workers wear the appropriate personal protective equipment and prevent dust from spreading. Use clean-up methods such as vacuum clean-up or vacuum extraction, best equipped with high efficiency air filters. Clean up wet cement and place in a container. Allow material to dry and solidify before disposal.

7. EXPOSURE CONTROLS

Cements are classified as irritating to skin and eyes, dermal exposure has to be minimised as far as technically feasible.

Appropriate waterproof personal protective equipment must be worn if contact with fresh mortar is inevitable.

Do not eat, drink or smoke when working with cement to avoid contact with skin or mouth.

8. STORAGE AND HANDLING

Safe handling: Follow recommendations given under section 6 for precautions.

Use dry clean-up methods such as vacuum clean-up or vacuum extraction, which do not cause airborne dispersion.

Do not handle or store near food and beverages or smoking materials.

Use protective gloves to avoid skin contact

In dusty environment, wear dust mask and protective goggles.

Storage: Stored in unopened bags clear of the ground in cool and dry place.

Conditions to avoid Do not use aluminium containers due to incompatibility between materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Powder

Colour : Grey

Odour : Odourless

PH : Not determined

Viscosity : Not applicable, as not a liquid

Freezing point : Not applicable

Boiling point : Not determined

Melting point : Not determined

Flash point : Not applicable

Auto-flammability : Not applicable

Explosive limits : Not applicable

Vapour pressure : Not applicable

Relative density : Not determined

Solubility : Insoluble

Partition coefficient : Not determined

Vapour density: Not relevant

Oxidising properties: Not relevant



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10. STABILITY AND REACTIVITY

- Chemical Stability : Stable at normal temperature when kept dry.
Contact with incompatible materials should be avoided.
- Reactivity : When mixed with water, cements will harden into a stable mass that is not reactive in normal environments.
- Material to avoid : Acids, ammonium salts, aluminium or other non-noble metals.
Uncontrolled use of aluminium powder in wet cement should be avoided as hydrogen is produced.
- Conditions to avoid : Humid conditions during storage may cause lump formation and loss of product quality.
Hazardous
- Decomposition products : None known in normal applications.
Hazardous Polymerization : None known

11. TOXICOLOGICAL INFORMATIONS

- General : Apart from skin sensitisation, Portland cement clinker and common. Cements have the same toxicological and eco-toxicological properties.
- Ingestion : Unlikely to caused significant reaction if small amount of cement are swallowed.
- Skin Contact : Cement in contact with wet skin may cause thickening, cracking or fissuring of the skin. Prolonged contact in combination with abrasion.
- Eye Contact : Cement is a severe eye irritant and brief exposure will cause some soreness.
Direct exposure by larger amount of dry or wet cement may cause severe burns.

12. ECOLOGICAL INFORMATION

- Eco toxicity : The product is not hazardous to the environment. After hardening, cement presents no toxicity risks.
- Degradability : Not relevant as cement is an inorganic material.
- Mobility : Not relevant as cement is an inorganic material.

13. DISPOSAL CONSIDERATIONS

Dry cement powder is hazardous waste. Harden with water before disposal. Possibly reuse depending upon shelf life considerations and the requirement to avoid dust exposure.
Packaging does not classify as hazardous waste.
Do not dispose of into sewage systems or surface waters.

14. TRANSPORT INFORMATION

Not classified as dangerous goods.

15. REGULATORY INFORMATION

Not classified as dangerous according to the rules of the EEC "Preparation Directive" 88/379/EEC.



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16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of publication. It is intended as a guide for safe handling, storage and use in known applications in the construction industry, but it is not a specification or guarantee of specific properties, and no liability can be accepted for any loss, injury or damage resulting from its use.