



شركة قطر الوطنية لصناعة الأسمنت (ش.م.ع.ق.)

QATAR NATIONAL CEMENT COMPANY (Q.P.S.C)



رأس مال الشركة ٦٥٣,٥٢٨,٩٤٠ ريال قطري (مدفوع) The capital of company QAR 653,528,940 (Paid)

Date: August 30, 2023

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Material Safety Data Sheet (MSDS)

Product Name: Ordinary Portland Cement (OPC)

Section 1: Identification

- Product Identifier: Ordinary Portland Cement (OPC)
- Recommended Use: Construction material, binding agent
- Manufacturer: Qatar National Cement Company
- Address: P.O. BOX 1333, DOHA, QATAR.
- Emergency Phone Number: +974 44712880

Section 2: Hazards Identification

- Classification: Not classified as hazardous according to GHS (Globally Harmonized System of Classification and Labeling of Chemicals).
- Potential Health Effects:
 - Inhalation: Dust inhalation may irritate the respiratory tract and cause coughing or sneezing.
 - Skin Contact: Prolonged or repeated skin contact may cause dryness or irritation.
 - Eye Contact: Dust may cause mechanical irritation to the eyes.
 - Ingestion: Swallowing large amounts may cause gastrointestinal irritation.

Section 3: Composition/Information on Ingredients

- Ingredients: Ordinary Portland Cement (Clinker, Gypsum, and minor additives)
- Chemical Formula: Variable
- CAS Number: 65997-15-1 (Cement Clinker)

Section 4: First Aid Measures

- Inhalation: Move the affected person to fresh air. If symptoms persist, seek medical attention.
- Skin Contact: Wash with soap and water. If irritation occurs, seek medical attention.
- Eye Contact: Rinse eyes gently with water for at least 15 minutes. If irritation persists, seek medical attention.
- Ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

C.R. No.: ٢٥ : س.ت رقم

P.O. Box: 1333 DOHA - QATAR ١٣٣٣ الدوحة - قطر

ص.ب:

Factory Tel. ٤٠٤٢٦٢٢ : تليفون المصنع

Head office Tel.: ٤٤٦٩٤٣٥٤ / ٥/٦/٧- ٤٤٦٩٣٨٠٠

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Section 5: Firefighting Measures

- Extinguishing Media: Use water spray, carbon dioxide, foam, or dry chemicals as appropriate for surrounding fire.
- Firefighting Instructions: Evacuate personnel to a safe area. Firefighters should wear full protective clothing and self-contained breathing apparatus.

Section 6: Accidental Release Measures

- Personal Precautions: Wear appropriate personal protective equipment (PPE) as described in Section 8.
- Environmental Precautions: Prevent spillage from entering drains or watercourses.
- Cleanup Procedures: Collect spilled material using appropriate methods. Place in suitable containers for disposal.

Section 7: Handling and Storage

- Handling: Avoid creating dust. Use with adequate ventilation. Avoid contact with skin and eyes. Wash hands thoroughly after handling.
- Storage: Store in a dry area on pallets or raised platforms. Protect from moisture.

Section 8: Exposure Controls/Personal Protection

- Engineering Controls: Use local exhaust ventilation to control dust levels.
- Personal Protective Equipment: Use gloves, safety glasses, and dust mask when handling cement.
- Exposure Limits:
 - OSHA PEL: 15 mg/m³ (TWA) for total dust, 5 mg/m³ (TWA) for respirable fraction.
 - ACGIH TLV: 10 mg/m³ (TWA) for total dust, 3 mg/m³ (TWA) for respirable fraction.
- PPE: Wear dust-proof goggles and rubber or PVC gloves. Where an inhalation risk exists, wear a Class P2 respirator. If there is potential for prolonged and/or excessive skin contact, wear coveralls. At high dust levels, wear a Class P3 respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 filter.

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Section 9: Physical and Chemical Properties

- Appearance: Gray powder
- Odor: Odorless
- pH: 12-13 (saturated solution)
- Solubility in Water: Insoluble

Section 10: Stability and Reactivity

- Stability: Stable under normal conditions.
- Incompatible Materials: Strong acids
- Hazardous Decomposition Products: None under normal conditions.

Section 11: Toxicological Information

- Acute Toxicity: LD50 (oral, rat) > 2,000 mg/kg (cement clinker)
- Skin Irritation: Non-irritating
- Eye Irritation: Non-irritating
- Respiratory Irritation: Dust may cause irritation.

Section 12: Ecological Information

- Environmental Fate: Inert, not likely to bioaccumulate.
- Persistence and Degradability: Cement is not biodegradable.

Section 13: Disposal Considerations

- Dispose of in accordance with local regulations.

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Section 14: Transport Information

- UN Number: Not regulated for transport.

Section 15: Regulatory Information

- OSHA Hazard Communication Standard: This product is not classified as hazardous under OSHA HCS.

Section 16: Other Information

This MSDS is provided as a general source of information about the potential hazards and appropriate safety measures surrounding the use of Ordinary Portland Cement (OPC). It is not intended to be a comprehensive guide. For specific situations or concerns, seek professional advice. This information is accurate to the best of our knowledge as of the date provided.

End of MSDS.

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