



شركة قطر الوطنية لصناعة الأسمنت (ش.م.ع.ق.) QATAR NATIONAL CEMENT COMPANY (Q.P.S.C)

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



Date: 27/02/2023

MDSD of GGBS

1. **Standard:** Comply with **BS 6699: 1992 / BS EN 15167-1:2006**

2. **Composition:**

Component	Formula	CAS No.	Content (%)
Silicon Di-Oxide	SiO ₂	7631-86-9	30-40
Aluminium Oxide	Al ₂ O ₃	1344-28-1	15-25
Calcium Oxide	CaO	1305-78-8	30-40
Magnesium Oxide	MgO	1309-48-4	6-14

3. **Physical Properties:**

Appearance	Off-White powder
Odour	Odourless
PH of wet GGBS	11-12
Solubility	Insoluble in water

4. **Exposure Control:**

Respiratory Protection	Respiratory protection should be worn
Hand Protection	Water proof gloves should be worn
Eye protection	Dust proof goggles should be worn
Skin protection	Protective clothing like coveralls should be worn

5. **First aids Measures:**

Eye contact	Hold eyelids apart and flush continuously with running water. Seek medical advice if irritation persists.
Skin contact	Wash thoroughly with soap and water
Inhalation	Move the affected person to fresh-air. Apply artificial respiration if NOT breathing
Ingestion	Rinse the mouth and drink plenty of water

6. **Storage and Handling:**

Bulk GGBS should be stored in air-tight silos.

Use safety work practices and avoid eye or skin contact and inhalation.

7. **Hazardous Identification:**

GGBS is a fine powder, which can cause irritation to eyes, respiratory system and skin.

8. **Flammability and Explosion:**

Non-flammable, no explosion hazard.

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