



Material Safety Data Sheet (MSDS)

BC Tile Fix Plus

1. Identification of the Substance/Mixture and of the Company

1.1 Product identifier

Product name: BC Tile Fix Plus

Product code: 04

1.2 Relevant identified uses

Identified uses: Cement-based tile adhesive for fixing ceramic, porcelain, and stone tiles on walls and floors (interior/exterior).

Uses advised against: Any use other than intended application.

1.3 Details of the supplier of the safety data sheet

Supplier:

Building Chemistry Industry

P. Code: 338941

Kingdom of Saudi Arabia

Tel: 013 8050533 Mob: 0593120221

1.4 Emergency telephone number

Emergency telephone (24 hr): +966 0593120221

2. Hazard Identification

2.1 Classification of the substance or mixture (EC 1272/2008)



Type	Classification
Physical hazards	Not classified
Health hazards	Skin Irrit. 2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317
Environmental hazards	Not classified



2.2 Label elements

Signal word: *Danger*

Pictograms:

 (Exclamation mark)  (Corrosion symbol)

Hazard statements:

- H315 – Causes skin irritation.
- H318 – Causes serious eye damage.
- H317 – May cause an allergic skin reaction (contains trace hexavalent chromium from cement).

Precautionary statements:

- P261 – Avoid breathing dust.
- P264 – Wash skin thoroughly after handling.
- P280 – Wear protective gloves, clothing, and eye/face protection.
- P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 – If skin irritation or rash occurs: Get medical advice.
- P337+P313 – If eye irritation persists: Get medical advice/attention.
- P501 – Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Contains Portland cement which reacts with water to form an alkaline solution. Wet product may cause serious eye damage.



3. Composition/Information on Ingredients

Component	CAS No.	EC No.	Classification (EC 1272/2008)	% w/w
Portland cement clinker	65997-15-1	266-043-4	Skin Irrit. 2 (H315); Eye Dam. 1 (H318); Skin Sens. 1 (H317)	20–40%
Calcium carbonate	1317-65-3	215-279-6	Not classified	40–60%
Quartz (SiO ₂ , <1% respirable)	14808-60-7	238-878-4	STOT RE 1 (H372) [dust only]	0–10%
Redispersible polymer powder / additives	Proprietary	–	Not classified	1–5%

4. First Aid Measures

4.1 Description of first aid measures

- Inhalation: Move person to fresh air. Get medical advice if symptoms occur.
- Skin contact: Wash immediately with soap and water. Remove contaminated clothing.
- Eye contact: Rinse cautiously with clean water for at least 15 minutes. Seek immediate medical attention.
- Ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical attention if unwell.

4.2 Most important symptoms and effects

Causes irritation and serious eye damage. Prolonged skin contact may cause dermatitis.

4.3 Indication of any immediate medical attention

Immediate medical attention is required for eye contact.





5. Firefighting Measures

Suitable extinguishing media: Product is non-combustible. Use extinguishing media suitable for surrounding fire.

Specific hazards: None known.

Protective equipment: Standard fire protective equipment; avoid inhaling dust or fumes.

6. Accidental Release Measures

- Avoid dust formation.
- Wear protective clothing and respiratory protection if necessary.
- Sweep up material carefully; avoid dry brushing that generates dust.
- Collect into containers for reuse or disposal according to local regulations.
- Prevent material from entering drains.

7. Handling and Storage

Handling:

- Avoid contact with skin and eyes.
- Do not breathe dust.
- Mix only with clean water.
- Wash hands thoroughly after use.

Storage:

- Store in original, tightly closed bags in a cool, dry place.
- Protect from moisture.
- Shelf life: typically, 12 months from production when stored correctly.





8. Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limits (OEL):

- Total inhalable dust: 10 mg/m³ (8h TWA)
- Respirable dust: 4 mg/m³ (8h TWA)

8.2 Exposure controls

- Engineering controls: Provide adequate ventilation.
- Eye/face protection: Safety goggles or face shield (EN166).
- Hand protection: Nitrile or PVC gloves (EN374).
- Respiratory protection: Dust mask (FFP2 or FFP3).
- Skin protection: Protective clothing and boots.
- Hygiene: Wash hands before eating or drinking.

9. Physical and Chemical Properties

Property	Value
Appearance	Grey or white powder
Odor	Slight, cementitious
pH (wet mix, 20°C)	>12 (alkaline)
Density (bulk)	~1.5 g/cm ³
Solubility	Partially soluble in water
Flash point	Not applicable
Flammability	Non-flammable





10. Stability and Reactivity

Stability: Stable under recommended storage and handling conditions.

Reactivity: Reacts with water to form alkaline hydroxides.

Conditions to avoid: Moisture and humid air.

Incompatible materials: Acids, ammonium salts, aluminum, and strong oxidizers.

Hazardous decomposition products: None under normal conditions.

11. Toxicological Information

Routes of exposure: Inhalation, skin contact, eye contact.

Symptoms:

- Skin: Irritation or dermatitis.
 - Eyes: Severe damage, redness, pain.
 - Inhalation: Irritation to respiratory tract.
 - Ingestion: Irritation to digestive tract.
- Sensitization: May cause allergic reaction due to trace chromium (VI)

12. Ecological Information

- Not classified as hazardous for the environment.
- High pH of wet mixture may be harmful to aquatic life in large quantities.
- Product hardens into inert solid; not biodegradable.

13. Disposal Considerations

Dispose of product and packaging in accordance with local waste regulations.

Hardened material can be treated as construction waste.

14. Transport Information

Mode	UN No.	Proper Shipping Name	Class	Packing Group	Environmentally Hazardous
ADR/RID	Not regulated	–	–	–	No
IMDG	Not regulated	–	–	–	No





Mode	UN No.	Proper Shipping Name	Class	Packing Group	Environmentally Hazardous
IATA	Not regulated	–	–	–	No

Not classified as dangerous goods under transport regulations.

15. Regulatory Information

Complies with Regulation (EC) No. 1272/2008 (CLP) and GHS.
Chemical Safety Assessment not required for cementitious mixtures.

16. Other Information

Hazard statements in full:

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H317 – May cause an allergic skin reaction.

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