

# Material Safety Data Sheet (MSDS)

## BC Pool Fix

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

#### 1.1 Product identifier

Product name: BC Pool Fix

Product code: 02

#### 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 <sub>2</sub> , <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/m<sup>3</sup> (8h TWA)
- Respirable dust: 4 mg/m<sup>3</sup> (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 <sup>3</sup>
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
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.

### **Building Chemistry Industry**

3<sup>rd</sup> Industrial area Dammam, Kingdom of Saudi Arabia.

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