

---

## SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Product Name: Keyfix AE15 - Part B
- Other means of Identification
- UFI: -
- Product Part Number: C12/03/04/036 - B

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Hardener component of Epoxy acrylate anchoring system in cracked and uncracked concrete under seismic conditions

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Ayla for Building Materials Industry & Trade
- Address of Supplier: Al-Karadeh, Arsat Al-Hindia  
Baghdad
- Telephone: + 964 790 1488 730
- Email: Info.iraq@dcp-in.com

#### 1.4 Emergency telephone number

- Emergency Telephone: + 964 790 1488 730 (available during working hours)

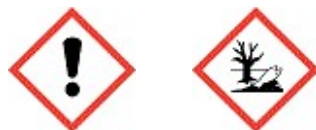
---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1

#### 2.2 Label elements



- Signal Word: Warning

#### Hazard statements

- H319 - Causes serious eye irritation.
- H317 - May cause an allergic skin reaction.

## SECTION 2: Hazards identification (....)

H410 - Very toxic to aquatic life with long lasting effects.

### Precautionary statements

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P273 - Avoid release to the environment.

P501 - Dispose of contents/container to an authorised waste collection point

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

### 2.3 Other hazards

- Contains: Dibenzoyl peroxide

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

dibenzoyl peroxide; benzoyl peroxide

|                                |                                                                               |
|--------------------------------|-------------------------------------------------------------------------------|
| CAS Number:                    | 94-36-0                                                                       |
| EC Number:                     | 202-327-6                                                                     |
| Concentration:                 | 10 - 25%                                                                      |
| Categories:                    | Eye Irrit. 2, Skin Sens. 1, Org. Perox. B, Aquatic Acute 1, Aquatic Chronic 1 |
| Specific Concentration Limits: | % (w/w) >=52: Org. Perox. B - H241<br>35<= % (w/w) <52: Org. Perox. D - H242  |
| M factor:                      | 10                                                                            |
| Acute toxicity estimate:       | 10                                                                            |
| Symbols:                       | GHS01, GHS02, GHS07, GHS09                                                    |
| H Statements:                  | H241, H319, H317, H400, H410                                                  |
| REACH Registration Number:     | 01-2119511472-50-xxxx                                                         |

Carbon black

|                                |                          |
|--------------------------------|--------------------------|
| CAS Number:                    | 1333-86-4                |
| EC Number:                     | 215-609-9                |
| Concentration:                 | 0.1 - 0.5%               |
| Categories:                    | Carc. 2                  |
| Specific Concentration Limits: | No information available |
| M factor:                      | No information available |
| Acute toxicity estimate:       | Not available            |
| Symbols:                       | GHS08                    |
| H Statements:                  | H351                     |
| REACH Registration Number:     | 01-2119384822-32-xxxx    |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Get medical advice/attention if you feel unwell.

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention if you feel unwell.

#### Contact with skin

May produce an allergic reaction or cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. If irritation or symptoms persist seek medical advice.

#### Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek immediate medical attention  
Continue flushing with water until medical help arrives

#### Ingestion

Get immediate medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Contact with eyes

Irritating to eyes

#### Contact with skin

May cause an allergic skin reaction.

#### Inhalation

No specific symptoms known.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.
- Do not use water jets

### 5.2 Special hazards arising from the substance or mixture

**SECTION 5: Firefighting measures (....)**

- Burning produces irritating, toxic and obnoxious fumes.

**5.3 Advice for firefighters**

- Wear self contained breathing apparatus and full protective clothing
  - Consider evacuation
  - Shut off all ignition sources
  - Do not allow run-off water to enter sewers and water sources.
  - Keep container(s) exposed to fire cool, by spraying with water
- 

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8

**6.2 Environmental precautions**

- Do not allow to enter public sewers and watercourses
- Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up**

- Sweep or shovel-up spillage and remove to a safe place

**6.4 Reference to other sections**

- For personal protection see section 8
- 

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Eyewash bottles should be available
- Do not wear contact lenses when working with this material
- Dispose of contents/container to an authorised waste collection point
- Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Keep away from heat and sources of ignition
- Keep only in original packaging.

**7.2 Conditions for safe storage, including any incompatibilities**

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from food, drink and animal feedingstuffs
- Do not store above 25 °C
- Store above 5 °C

**7.3 Specific end use(s)**

- No information available
-

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Glycerol

WEL: 10 mg/m<sup>3</sup> (8h)

Carbon black

WEL: 3.5 mg/m<sup>3</sup> (8h)

WEL: 7 mg/m<sup>3</sup> (15min)

Zinc distearate

WEL: 4 mg/m<sup>3</sup> (8h)

WEL: 20 mg/m<sup>3</sup> (15min)

Dibenzoyl peroxide

WEL: 5 mg/m<sup>3</sup> (8h)

DNELs (workers):

Long exposure systemic effects - Dermal: 13.3 mg/kg

Long exposure systemic effects - Inhalation: 39 mg/m<sup>3</sup>

DNELs (General population):

Long exposure systemic effects - Oral: 2 mg/kg

PNECs:

STP: 0.35mg/l

Soil: 0.003 mg/kg

Intermittent: 0.000602 mg/l

Fresh water: 0.00002 mg/l

Marine water: 0.000002 mg/l

Sediment (Fresh water): 0.013 mg/kg

Sediment (Marine water): 0.001 mg/kg

### 8.2 Exposure controls



- Wear respiratory protection.
- Wear protective goggles or full face shield.
- Wear suitable gloves
- Eyewash bottles should be available

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state: Cream\_paste

---

## SECTION 9: Physical and chemical properties (....)

- Colour: Black
- Odour: Characteristic odour
- Melting point/Range: Not available
- Boiling Point/Range: No information available
- Flammability: No information available
- Lower explosive limit: NA% (in air)
- Upper explosive limit: NA% (in air)
- Flashpoint: Not applicable
- Autoignition Temperature: > 435 ° C
- Decomposition temperature: NA
- pH: 6 (at 10 %)
- Kinematic viscosity: NA mm<sup>2</sup>/s
- Solubility: NA
- Vapour Pressure: Not available
- Density: 1.55 (relative)
- Vapour Density: Not available
- Particle characteristics: NA

### 9.2 Other information

#### 9.2.1 Information with Regard to Physical Hazard Classes

No Information Available

#### 9.2.2 Other Safety Characteristics

No Information Available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Avoid exposure to high temperature or direct sunlight.

### 10.5 Incompatible materials

- Strong acids.
- Strong oxidising agents
- Avoid contact with combustible material
- Avoid contact with alkalis (strong bases)
- Avoid contact with metals
- Avoid contact with reducing agents

---

## SECTION 10: Stability and reactivity (....)

- Avoid contact with organic peroxides
- accelerating agents

### 10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
- 

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

#### A-Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### B-Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### C-Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

#### D-CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.  
IARC: Glass, oxide, chemicals (1); Carbon black (2B); Dibenzoyl peroxide (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### E-Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.

## SECTION 11: Toxicological information (....)

- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F-Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G-Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H-Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Specific toxicology information on the substances:

CAS: 94-36-0

LD50 oral 7710 mg/kg

LD50 dermal >5000 mg/kg

LC50 inhalation >5 mg/L

CAS: 1333-86-4

LD50 oral >5000 mg/kg

LD50 dermal >5000 mg/kg

LC50 inhalation >5 mg/L

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

No Information Available

#### 11.2.2 Information on other hazards

No Information Available

## SECTION 12: Ecological information

### 12.1 Toxicity

- No information available

Acute toxicity:

CAS: 94-36-0

LC50 0.0602 mg/L (96 h) (*Oncorhynchus mykiss*) (Fish)

EC50 0.11 mg/l (48h) (*Daphnia magna*) (Crustacean)

EC50 0.071 mg/l (72h) (*Pseudokirchneriella subcapitata*) (Algae)

CAS: 1333-86-4

LC50 1000 mg/l (96h) (*Brachydanio rerio*) (Fish)

EC50 5600 mg/l (24h) (*Daphnia magna*) (Crustacean)

---

## SECTION 12: Ecological information (....)

Chronic toxicity:

CAS: 94-36-0

NOEC: > 0.01 - 0.1 mg/l (fish)

NOEC: > 0.01 - 0.1 mg/l (Crustacean)

### 12.2 Persistence and degradability

- No information available

Substance-specific information:

CAS: 94-36-0

% Biodegradable: 68%

Period: 10 days

### 12.3 Bioaccumulative potential

- No information available

### 12.4 Mobility in soil

CAS: 94-36-0

Absorption/desorption

Koc: 6309.57

Conclusion: Immobile

Surface tension: N/A

### 12.5 Results of PBT and vPvB assessment

- No information available

### 12.6 Endocrine disrupting properties

- No information available

### 12.7 Other adverse effects

- No information available

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not empty into drains - dispose of this material and container in a safe way
- Dispose of contents/container to an authorised waste collection point

---

## SECTION 14: Transport information



### 14.1 Air (ICAO/IATA)

- ICAO UN No.: 3077

Created: 15 Oct 2025

---

**SECTION 14: Transport information (....)**

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
- ICAO Hazard Class: 9
- ICAO Packing Group: III

**14.2 Road/Rail (ADR/RID)**

- ADR UN No.: 3077
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
- ADR Hazard Class: 9

**14.3 Sea (IMDG)**

- IMDG UN No.: 3077
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
- IMDG Hazard Class: 9
- IMDG Packing Group.: III

**14.4 Environmental hazards**

- No information available

**14.5 Special precautions for user**

- No information available

**14.6 Transport in bulk according to Annex II of Marpol and the IBC Code**

- No information available

**14.7 Maritime transport in bulk according to IMO instruments**

- No information available

---

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

**15.2 Chemical safety assessment**

- A chemical safety assessment (CSA) for this product has not yet been completed

---

**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H241: Heating may cause a fire or explosion. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H351: Suspected of causing cancer. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. GHS08: health hazard.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage



Created: 15 Oct 2025

---

## SECTION 16: Other information (....)

and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

--- end of safety datasheet ---

---