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## SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

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

#### 1.1 Product identifier

- Product Name: Keyfix AE15 - Hardener
- Product Part Number: C00/03/04/036H

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

- Use of the substance/mixture: Catalyst component of Epoxy acrylate resin cartridge system for anchoring

#### 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-int.com

#### 1.4 Emergency telephone number

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

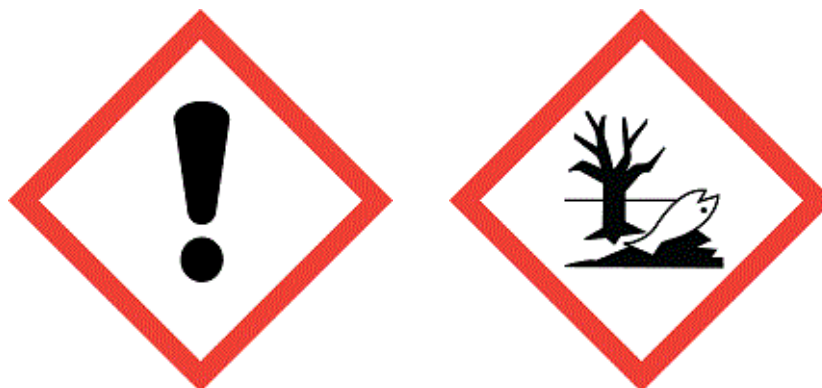
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### SECTION 2: Hazards identification

#### 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.

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

H317 - May cause an allergic skin reaction.

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.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P264 - Wash hands and working surfaces thoroughly after handling.

Contains:

BENZOYL PEROXIDE

Labelling notes:

On basis of test data.

Solid

ASTM D4359-90

### 2.3 Other hazards

- None

## 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 - 15%

Categories: Eye Irrit. 2, Skin Sens. 1

Symbols: GHS01, GHS02, GHS07

H Statements: H241, H319, H317

- Nonylbenzoate, branched and linear

CAS Number: 670241-72-2

EC Number: 447-010-5

Concentration: 5 - 10%

Categories: Aquatic Chronic 2

Symbols: GHS09

H Statements: H411

- Zinc distearate

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**SECTION 3: Composition/information on ingredients (....)**

CAS Number: 557-05-1  
EC Number: 209-151-9  
Concentration: 1 - 5%  
Categories: Aquatic Acute 1  
Symbols: GHS09  
H Statements: H400

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Wash contaminated clothing before reuse.
- Inhalation  
Remove person to fresh air and keep comfortable for breathing.  
Get medical attention if patient feels unwell or if discomfort continues.
- Contact with skin  
IF ON SKIN: Wash with plenty of soap and water.  
IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
If skin irritation or rash occurs: Get medical advice/attention.
- Contact with eyes  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.
- Ingestion  
Never give anything by mouth to an unconscious person  
Do not induce vomiting  
Rinse mouth with water (do not swallow)  
Get immediate medical advice/attention.

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

- Ingestion  
May cause discomfort if swallowed.
- Contact with skin  
Causes irritation
- Contact with eyes  
Can cause damage to the eyes, skin and mucous membranes

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

- No information available

## **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

- In case of fire use foam, carbon dioxide or dry agent

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

- Low hazard expected under normal conditions of use
- May give off noxious and toxic fumes in a fire

### 5.3 Advice for firefighters

- Wear self contained breathing apparatus and full protective clothing
  - Avoid breathing dust/fume/gas/mist/vapours/spray.
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## **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes
- Wear suitable protective clothing

### 6.2 Environmental precautions

- Avoid release to the environment.

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

- Collect as much as possible in clean container for reuse or disposal

### 6.4 Reference to other sections

- See Section 8 and 13
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## **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash contaminated clothing before reuse.
- Keep away from heat, sparks, open flames and hot surfaces
- Do not eat, drink or smoke when using this product.

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

- Keep in a cool place away from combustible material
- Keep at temperature not exceeding 50 °C

### 7.3 Specific end use(s)

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## SECTION 7: Handling and storage (....)

- No information available
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- dibenzoyl peroxide; benzoyl peroxide  
DNEL (oral): 1.6 mg/kg  
DNEL (inhalational): 11.75 mg/m<sup>3</sup>  
DNEL (dermal): 6.6 mg/kg

### 8.2 Exposure controls



- Contaminated work clothing should not be allowed out of the workplace.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - Wear nitrile gloves
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Black paste
- Odour: Characteristic odour
- Boiling Point/Range: No information available
- Viscosity: > 60 S ISO2431
- Decomposition Temperature >50 °C
- pH: 5 - 6
- Specific Gravity: 1.5 - 1.6
- Solubility in water: No information available

### 9.2 Other information

- None
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose
- Reacts with acids and alkalis
- Reacts with amines
- Reacts with reducing agents

### 10.2 Chemical stability

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

- Considered stable under normal conditions
- Decomposes above 50 °C

## 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

## 10.4 Conditions to avoid

- Do not expose to temperatures exceeding 50°C/ 122°F.

## 10.5 Incompatible materials

- Incompatible with reducing agents
- Incompatible with acids and alkalis
- Incompatible with amines

## 10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
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**SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

- Causes skin irritation.
  - May cause eye irritation
  - May disturb the eyes, skin and mucous membranes
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**SECTION 12: Ecological information**

## 12.1 Toxicity

- dibenzoyl peroxide; benzoyl peroxide  
LC50 (fish): 0.06 mg/l (96 hr)  
EC50 (Daphnia magna): 0.11 mg/l (48 hr)  
M factor (Acute): 10
- Nonylbenzoate, branched and linear  
LC50 (fish): > 1.23 mg/l (96 hr)  
EC50 (Daphnia magna): > 2.2 mg/l (48 hr)

## 12.2 Persistence and degradability

- No information available

## 12.3 Bioaccumulative potential

- No information available

## 12.4 Mobility in soil

- Partly soluble in water

## 12.5 Results of PBT and vPvB assessment

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

- No information available

**12.6 Other adverse effects**

- No information available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation

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**SECTION 14: Transport information**

UN No.: 3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR

**14.1 Air (ICAO/IATA)**

- ICAO UN No.: 3077
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

- ICAO Packing Group: III

- ICAO Division: 9

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

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

- ADR Hazard Class: 9

- ADR Classification Code: M7

- ADR Packing Group: III

**14.3 Sea (IMDG)**

- IMDG UN No.: 3077
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

- IMDG Hazard Class: 9

- IMDG Pack Group: III

**14.4 Environmental hazards**

- Marine pollutant

**14.5 Special precautions for user**

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

- EmS: F-A, S-F
- ADR transport category: 3
- Emergency Action Code: 2Z
- Hazard Identification Number: 90  
(ADR/RID)
- Tunnel code: (-)

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

- Not applicable

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**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 Regulation 1907/2006-2015/830

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

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**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. H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.

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

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