
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 E - Base
- Other means of Identification
- UFI: -
- Product Part Number: C12/03/04/015-B

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

- Use of the substance/mixture: Base part of epoxy 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)
-

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements



- Signal Word: Warning

Hazard statements

- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H317 - May cause an allergic skin reaction.
- H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

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SECTION 2: Hazards identification (....)

- P501 - Dispose of contents/container to an authorised waste collection point
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P264 - Wash thoroughly after handling.

2.3 Other hazards

- Contains: Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

CAS Number:	25068-38-6
EC Number:	500-033-5
Concentration:	60 - 80%
Categories:	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2
Specific Concentration Limits:	Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS07, GHS09
H Statements:	H319, H315, H317, H411

1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether

CAS Number:	2425-79-8
EC Number:	219-371-7
Concentration:	5 - 15%
Categories:	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS07
H Statements:	H332, H312, H319, H315, H317

xylene

CAS Number:	1330-20-7
EC Number:	215-535-7
Concentration:	< 0.5%
Categories:	Acute Tox. 4, Skin Irrit. 2
Specific Concentration Limits:	No information available

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

M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS02, GHS07
H Statements:	H226, H332, H312, H315

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

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

Contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention.

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Seek immediate medical attention
Continue flushing with water until medical help arrives

Ingestion

Do NOT induce vomiting.
If swallowed, rinse mouth with water (only if the person is conscious)
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

Irritating to skin

Inhalation

No specific symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5: Firefighting measures

SECTION 5: Firefighting measures (....)

5.1 Extinguishing media

- Extinguish with foam, carbon dioxide, dry powder or water spray.
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Nitrogen and carbon oxides may be formed

5.3 Advice for firefighters

- Wear self contained breathing apparatus and full protective clothing
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear suitable protective clothing
- Ensure adequate ventilation
- Avoid contact with skin and eyes

6.2 Environmental precautions

- Avoid release to the environment.
- Prevent further spillage if safe
- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Collect spillage.
- Collect as much as possible in clean container for reuse or disposal
- Avoid release to the environment.
- Contain spillage with sand, earth or other non-combustible material.
- Place in appropriate container
- Wear suitable protective clothing, eye/face protection and gloves
- This material and its container must be disposed of as hazardous waste

6.4 Reference to other sections

- For personal protection see section 8
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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
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation

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

- Wash thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from food, drink and animal feedingstuffs
- Store in original, correctly labelled and tightly closed containers
- Store in a dry environment away from direct sunlight.
- Store in a cool, dry, well ventilated area.
- Protect from frost

7.3 Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- There are no recommended or established controls for this product

8.2 Exposure controls



- Ensure adequate ventilation
- Avoid contact with skin and eyes
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- In case of inadequate ventilation wear respiratory protection.
- Keep away from food, drink and animal feedingstuffs
- Wash thoroughly after handling.
- Wear suitable protective clothing, eye/face protection and gloves

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|--------------------------|--------------------------|
| - Physical state: | Liquid |
| - Colour: | White |
| - 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) |

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

- Flashpoint: >93°C
- Autoignition Temperature: NA
- Decomposition temperature: NA
- pH: No information available
- Kinematic viscosity: NA mm²/s
- Solubility: NA
- Vapour Pressure: Not available
- Density: 1.21 ± 0.03 g/cm³
- Vapour Density: Not available
- Particle characteristics: NA
- Solubility in water: Immiscible with water

9.2 Other information**9.2.1 Information with Regard to Physical Hazard Classes**

No Information Available

9.2.2 Other Safety CharacteristicsNo 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

- Considerable exothermic reaction can occur when mixed with epoxide hardeners

10.4 Conditions to avoid

- Avoid freezing.
- Avoid exposure to high temperature or direct sunlight.

10.5 Incompatible materials

- Incompatible with acids and alkalis
- Incompatible with oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- No information available

11.2 Information on other hazards

SECTION 11: Toxicological information (....)

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

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- immiscible with water

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.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

SECTION 14: Transport information (....)

- ICAO Hazard Class: 9
- ICAO Packing Group: III

14.2 Road/Rail (ADR/RID)

- ADR UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- ADR Hazard Class: 9

14.3 Sea (IMDG)

- IMDG UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- IMDG Hazard Class: 9
- IMDG Packing Group.: III

14.4 Environmental hazards

- No information available
- Marine Pollutant

14.5 Special precautions for user

- No information available
- ADR Classification Code: M6
- Tunnel Restriction Code: 3 (-)
- Tunnel Tank Restriction Codes: LGBV
- Contains: Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin
(number average molecular weight ≤ 700)

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:- H226: Flammable liquid and vapour. H312: Harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H411: Toxic to aquatic life with long lasting effects.



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SECTION 16: Other information (....)

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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