



# Material SAFETY DATA SHEET

## Keyfix E - Base

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Keyfix E - Base**

Description: Base component of two parts epoxy anchoring system

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
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MSDS Number: DCP/03/04/15-B

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy resin, fillers and pigment.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Epoxy resin (Number average molecular weight < 700)	Xi, N	R36/38, 43, 51/53	25068-38-6	80

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Irritating to eyes and skin.  
May cause sensitization by skin contact.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xi, N. R36/38, 43, 51/53

### 4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention urgently.

Skin: Wash immediately with soap and water or suitable skin cleanser. Obtain medical advice if skin disorders develop.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Obtain medical attention. DO NOT induce vomiting. Beware of aspiration if vomiting occurs.



## 5: FIRE FIGHTING MEASURES

Flash Point:	> 150°C.
Lower Explosive Limit:	Not applicable.
Extinguishing Media:	Carbon dioxide, powder, foam or water.
Personal Protective Equipment:	Self-contained breathing apparatus.

## 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Soak up with inert absorbent and remove by best available means. Gather into containers. Dispose off as waste.

## 7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.
Storage:	Keep containers dry and tightly closed.

## 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses/goggles.
Skin Contact:	Impervious gloves (e.g. PVC). Change contaminated clothing and clean before re-use.
Respiratory Protection:	No specific ventilation requirements noted.
Engineering Controls:	None assigned.
Exposure Guidelines:	None assigned.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste
Colour:	White
Odour:	Mild
pH (concentrate):	Not applicable
Boiling Point (°C):	Not applicable
Flash Point (closed cup) (°C):	> 150
Autoflammability (°C):	Not determined
Explosive Properties (%):	Not known
Relative Density (@25°C):	1.16
Water Solubility:	Insoluble

## 10: STABILITY AND REACTIVITY

Stability:	Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.
Conditions to Avoid:	None Known.
Chemical Incompatibility:	Strong acids. Strong alkalis. Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition yields oxides of carbon and toxic fumes.

## 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.  
Expected oral LD50, rat > 2 g/kg.  
Classified as a skin sensitizer.

### Health Effects

On Eyes:	Causes transient irritation.
On Skin:	Irritation. May cause sensitization.
By Inhalation:	May Cause respiratory irritation.
By Ingestion:	May cause irritation of mouth, throat and digestive tract.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental affects are foreseen.
Mobility:	Viscous liquid Insoluble in water.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Has the potential to bioaccumulate.
Acute Fish Toxicity:	Expected to be ecotoxic to fish/daphnia/algae.

## 13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose off through an authorized waste contractor to a licensed site. May be reacted with hardener component to give an inert polymeric material.
Used/ Contaminated Product:	As for unused product.
Packaging:	Must be disposed off through an authorized waste contractor.

## 14: TRANSPORT INFORMATION



UN Number:	3082
Transport Name:	Environmentally hazardous substance, liquid n.o.s (Epoxy resin).

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	9	III	No
Air Transport	IATA/ICAO	9	III	
At land	RID/ADR	9	III	

## 15: REGULATORY INFORMATION

### Hazard Label Data:

**Xi**



**Irritant**

**N**



**Dangerous for  
the environment**

### Named Ingredients:

Epoxy resin (Number average molecular weight < 700)

### UN Number:

3082

### Risk Phrases:

R36/38

Irritating to eyes and skin.

R43

May cause sensitization by skin contact.

R51/53

Toxic to aquatic organisms, may cause long-term adverse in the aquatic environment.

### Safety Phrases:

S24/25

Avoid contact with skin and eyes.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39

Wear suitable gloves and eye/face protection.

## 16: OTHER INFORMATION

### Issue Date:

01/09/2008

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### Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.