

# Material SAFETY DATA SHEET Keyfix E - Hardener

## 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Keyfix E - Hardener** 

Description: Hardener component of two parts epoxy anchoring system

Manufacturer: Ayla Lebanon

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Beirut, Lebanon

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www.dcp-int.com

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## 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent, diluent, inert filler and pigment.

Hazardous Ingredient(s) Symbol Risk Phrases CAS No. %
Epoxy curing agent C 34, 43, 51/53 2855-13-2 40

Refer to Section 8 for Occupational Exposure Limits.

## 3: HAZARDS IDENTIFICATION

Hazard Information: Causes burns.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term affects in the aquatic

environment.

Classification: C. R34, 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: Wash out mouth with water. DO NOT induce vomiting. Beware of

aspiration if vomiting occurs. Obtain medical attention urgently.

**Issue No.:** 01 **Rev. No.:** 00 Keyfix E - Hardener **Page** 1 of 5



# 5: FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, powder, foam or water.

Special Exposure Hazards: Nitrogen compound, in some fire circumstances.

Personal Protective Equipment: Self-contained breathing apparatus and full protective clothing.

# **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: Avoid breathing vapors. Maintain good standards of personal hygiene.

Avoid skin and eye contact. Do not eat, drink or smoke whilst using this

product.

Storage: Keep containers dry and tightly closed. Never leave a container unsealed.

Keep away from foodstuffs and food containers.

## 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). Plastic apron and overalls.

Engineering Controls: Use only in well ventilated areas.

Exposure Guidelines: None assigned.

**Issue No.:** 01 **Rev. No.:** 00 Keyfix E - Hardener **Page** 2 of 5



#### 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Paste

Colour: Red

Odour: Sharp/amine

pH (concentrate):

Boiling Point (°C):

Not applicable

Not applicable

Flash Point (closed cup) (°C): > 130

Autoflammability (°C): Not determined

Vapor Pressure (KPa at 20°C): 0.02 Relative Density (@25°C): 1.27

Water Solubility: Not soluble

#### 10: STABILITY AND REACTIVITY

Stability: Stable if used as directed.

Conditions to Avoid: Temperature below 5°C.

Chemical Incompatibility: Strong acids. Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition yields oxides of carbon, nitrogen compounds, in

some fire circumstances hydrogen cyanide.

#### 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Expected oral LD50, rat > 1000 mg/kg.

#### **Health Effects**

On Eyes: Causes irreversible damage to eye tissue if not removed promptly.

On Skin: Corrosive- causes burns. May Cause sensitization.

By Inhalation: May Cause respiratory irritation.

By Ingestion: Corrosive –causes severe damage to mouth, throat and digestive tract.

Chronic: Repeated and prolonged skin contact can result in chemical burns.

Other: p-tertiarybutyl phenol can cause a cosmetic effect known as 'occupational

vitilgo'or leucaderma. It is believed that repeated contact with this substance can lead to this depigmentation of the skin in sensitive

individuals.

**Issue No.:** 01 **Rev. No.:** 00 Keyfix E - Hardener **Page** 3 of 5



## 12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed off as intended, no adverse environmental

affects are foreseen.

Mobility: Thixotropic liquid, partially soluble in water.

Degradability: Not readily biodegradable.

Bioaccumulation: Not Determined.

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: Classified as special waste. May be reacted with base component to give

an inert polymeric material.

Used/ Contaminated Product: Classified as special waste, dispose off through an authorized waste

contractor to licensed site.

Packaging: Must be disposed off through an authorized waste contractor.

## 14: TRANSPORT INFORMATION



UN Number: 1760

Transport Name: Corrosive liquids, n.o.s.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	Ш	No
Air Transport	IATA/ICAO	8	Ш	
At land	RID/ADR	8	Ш	

**Issue No.:** 01 **Rev. No.:** 00 Keyfix E - Hardener **Page** 4 of 5



#### 15: REGULATORY INFORMATION

Hazard Label Data: C

Corrosive

Named Ingredients: Epoxy curing agent

UN Number: 1760

Risk Phrases:

R34 Causes burns.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term

adverse in the aquatic environment.

Safety Phrases: S28 After contact with skin, wash immediately with plenty of

water and soap suds.

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 Revised Date:

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.

**Issue No.:** 01 **Rev. No.:** 00 Keyfix E - Hardener **Page** 5 of 5