



Material SAFETY DATA SHEET

Strongcoat CR402 - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Strongcoat CR402 - Hardener**

Description: Hardener component of two part high chemical resistant solvent free epoxy protective coating for concrete and metal

Manufacturer: **Ayla for Building Materials Industry & Trade**
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2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Epoxy resin hardening agent.			
Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Methylene dianiline	T, Xn, N	R45, 39/23/24/25, 43, 48/20/21/22, 51/53	101-77-9	15 – 60
Epoxy resin lapox B-11	Xi, N	R36/38, 43, 51/53	25068-38-6	15 – 60
1,2-Epoxy-3-Phenoxypropane	T, Xn, Xi, N	R45, 20, 37/38, 43, 52/53, 68	122-60-1	8 – 15

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

May cause sensitisation by skin contact.

May cause cancer.

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

Possible risk of irreversible effects.

Classification: Xn, T, N. R48/20/21/22, 39/23/24/25, 43, R45, 51/53, 68.



4: FIRST AID MEASURES

Eyes:	Irrigate immediately with copious quantities of lukewarm water for 15 minutes, Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention.
Skin:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.
Ingestion:	Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

5: FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Special Exposure Hazards:	Formation of toxic gases is possible during heating or in case of fire.
Extinguishing Media:	CO ₂ , extinguishing powder.
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental Precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Decontamination Procedures:	Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7: HANDLING AND STORAGE

Handling:	Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.
Storage:	Store in cool, well ventilated area. Keep container tightly closed.



8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Inhalation:	When mist occurs during spraying operations, wear suitable respiratory protective equipment.
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Yellow brown
Odour:	Barely perceptible odour
Flash Point (closed cup) (°C):	Not applicable
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Relative Density (@25°C):	1.05 – 1.15
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Excessive heating.
Chemical Incompatibility:	Oxidizing agents, acids, bases and alkalis.
Hazardous Decomposition Products:	Formation of toxic gases is possible during heating or in case of fire.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 2000 mg/kg.

Health Effects

On Eyes:	Not applicable
On Skin:	Not applicable
By Inhalation:	Not applicable
By Ingestion:	Not applicable

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Not applicable.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Harmful to fish.

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.
Used/ Contaminated Product:	As for unused product.
Packaging:	As for unused product.

14: TRANSPORT INFORMATION



UN Number:	2810
Transport Name:	Toxic liquids, organic, n.o.s. or Toxic, liquids, organic, n.o.s. Inhalation Hazard, Packing Group I, Zone A or B).

Transport Type		Class	Pack Group	Marine Pollutant
At Sea	IMDG	6.1	III	No
Air Transport	IATA/ICAO	6.1	III	
At land	RID/ADR	6	III	

15: REGULATORY INFORMATION

Hazard Label Data:



Contains:

Methylene Dianiline, 1,2-Epoxy-3-Phenoxypropane

Risk Phrases:

R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R43	May cause sensitisation by skin contact.
R45	May cause cancer.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68	Possible risk of irreversible effects.

Safety Phrases:

S23	Do not breathe gas/fumes/vapour/spray.
S24	Avoid contact with skin.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of water.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53	Avoid exposure - obtain special instructions before use.
S60	This material and its container must be disposed of as hazardous waste.

16: OTHER INFORMATION

Issue Date:

02/11/2015

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.