



Material SAFETY DATA SHEET

Strongcoat HR130 - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Strongcoat HR130 - Hardener**

Description: Hardener component of two part heat resistant epoxy coating

Manufacturer: **Ayla Construction Chemicals**
P.O. Box 1117, Amman 11118 Jordan
Tel. + 962 6 5338891 Fax: + 962 6 5338829
www.dcp-int.com

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2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Methylene dianiline, 2,2'-iminodiethylamine.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Methylene dianiline	Xn, T, N	R23/24/25, 43, 52/53	101-77-9	30 – 50
2,2'-iminodiethylamine	Xn, C	R21/22, 34, 43	111-40-0	10 – 15

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful in contact with skin and if swallowed.
Toxic by inhalation, in contact with skin and if swallowed.
Causes burns.
May cause sensitization by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xn, C, N, T. R21/22, 23/24/25, 34, R43, 51/53.



4: FIRST AID MEASURES

Eyes:	Irrigate immediately with copious quantities of water for 15 minutes, Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention if irritation persists.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible for 10 minutes. Remove contaminated clothing. Obtain medical advice if skin disorder develop.
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:	> 150°C.
Special Exposure Hazards:	In case of fire toxic fumes will be formed (amines), carbon oxides and nitrogen oxides.
Extinguishing Media:	Powder, carbon dioxide, foam, water mist (only large amounts).
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Collect as much as possible in a container for disposal. Cover the remainder with inert absorbent. Disposal according to local regulations.

7: HANDLING AND STORAGE

Handling:	Do not breathe vapour. Avoid contact with skin and eyes.
Storage:	Keep in a dry cool ventilated place. Direct sunshine should be avoided. Keep away from ignition sources – No smoking. Keep container tightly closed. Keep at temperatures between 2°C and 40°C.



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.
Exposure guidelines:	

Component	CAS number	WEL, Long-term value
2,2'-iminodiethylamine	111-40-0	4.3 mg/m ³

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Brown
Odour:	Mild amines
Flash Point (closed cup) (°C):	> 150
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.06 – 1.08
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Direct sunshine should be avoided.
Chemical Incompatibility:	Acids, Reacts violently with oxidizing agents.
Hazardous Decomposition Products:	Noxious fumes, carbon oxides, nitrogen oxides.



11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 800 mg/kg.

Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.

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:	Bioaccumulative potential.
Acute Fish Toxicity:	May cause long-term adverse effects in the aquatic environment.

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:	May be steam cleaned and recycled.

14: TRANSPORT INFORMATION



UN/SI Number: 2810
 Transport Name: Toxic liquid, organic, n.o.s.

Transport Type:		Class:	Pack Group:	Item:	Marine Pollutant:
At Sea	IMO	6.1	III		No
Air Transport	IATA/ICAO	6.1	III		
At land	RID/ADR	6.1	III		

15: REGULATORY INFORMATION

Hazard Label Data:

T



Toxic

N



Dangerous for
the environment

Contains:

Methylene dianiline, 2,2'-iminodiethylamine.

Risk Phrases:

R21/22	Harmful in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects 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.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

16: OTHER INFORMATION

Issue Date:

28/05/2014

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.