



# Material SAFETY DATA SHEET

## Strongcoat PE500 - Hardener

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Strongcoat PE500 - Hardener**

Description: Hardener component of two part coal tar epoxy coating

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
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### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Polyamine, coal tar pitch, aromatic solvent and filler.			
Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Polyamine	C	R21, 34	112-24-3	5 - 15
Coal tar pitch	Xi, N	R36/37/38, 45, 51/53	65996-93-2	30 - 60
Solvent	Xn	R10, 37		2 - 5

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Flammable.  
Harmful in contact with skin.  
Cause burns.  
Irritating to eyes, skin and respiratory system.  
May cause cancer.  
Toxic to aquatic organism, may cause long-term adverse affects in the aquatic environment.

Classification: C, Xn, N. R20/21, 45, 34, 51/53

#### 4: FIRST AID MEASURES

Eyes:	Irrigate open lid eyes immediately with copious quantities of water for 15 minutes. Obtain medical attention immediately.
Skin:	Remove contaminated clothes and shoes. Wash immediately with soap and water or suitable skin cleanser. Obtain medical attention.
Inhalation:	Remove from exposure; obtain medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion:	Wash mouth with water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

#### 5: FIRE FIGHTING MEASURES

Extinguishing Media:	Carbon dioxide, powder, foam or water fog.
Personal Protective Equipment:	Self-contained breathing apparatus. Standard aluminized suit.
Special Exposure Hazards:	Toxic fumes. Nitrogen compounds. Aromatics.

#### 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Immediately issue NO SMOKING and NO NAKED FLAMES warnings. 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 like sand. Gather into labeled containers. Dispose off as applicable regulations.

#### 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. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in conformity with local fire regulations. Store away from sources of ignition.

#### 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection:	Tightly sealed safety glasses/goggles.
Skin Protection:	Impervious gloves (e.g. PVC). Suitable protective clothing.
Respiratory Protection:	Breathing filters apparatus based on activated charcoal.
Hygiene Measures:	Change contaminated clothing and clean before re-use.
Engineering Controls:	Use only in well ventilated area. Local exhaust ventilation is recommended.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Black
Odour:	Tar odour
Relative Density (@25°C):	1.0
Water Solubility:	Insoluble

## 10: STABILITY AND REACTIVITY

Stability:	Contains volatile solvent .Stable if used as directed.
Conditions to Avoid:	Any source of ignition. Temperature above 35°C.
Chemical Incompatibility:	Strong acids. Strong alkalis. Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition yield oxides of Carbon, Nitrogen compounds, Aromatics.

## 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.  
Expected oral LD50, rat > 1030 mg/kg.  
Classified as skin sensitizer.

### Health Effects

On Eyes:	Corrosive.
On Skin:	Corrosive - causes burns. May cause sensitization.
By Inhalation:	Harmful by inhalation.
By Ingestion:	Harmful if swallowed.
Chronic:	Repeated and prolonged skin contact will result in skin and lung cancer.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen.
Mobility:	Mobile liquid. Insoluble in water.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Not Known.
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 a special waste. May be reacted with base component to give an inert polymeric material.

Used/ Contaminated Product: Classified as a special waste. Dispose off through an authorized waste contractor to a 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	III	Yes
Air Transport	IATA/ICAO	8	III	
At land	RID/ADR	8	Item 66 (c)	

## 15: REGULATORY INFORMATION

### Hazard Label Data:

C	Xn	N
		
Corrosive	Harmful	Dangerous for the environment

### Risk Phrases:

R10	Flammable.
R21	Harmful in contact with skin.
R34	Causes burns.
R45	May cause cancer.
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.
S38	In case of insufficient ventilation wear suitable respiratory equipment.
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).

## 16: OTHER INFORMATION

Issue Date: 30/06/2011 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.