



# Material SAFETY DATA SHEET

## Profiber CW System

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Profiber CW System**

Description: Heavy duty carbon fibre reinforced polymer wrap structural strengthening system.

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
Tel.: +961 1 444 562 Fax: +961 1 444 563  
[www.dcp-int.com](http://www.dcp-int.com)

Date Prepared: 09.12.2020

MSDS Number: DCP/12/01/02

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Carbon fiber.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Carbon fiber	Xi	R36/38, 43	7440-44-0	98 - 99

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Irritating to eyes and skin.  
May cause sensitization by skin contact.

Classification: Xi, N. R36/38, 43

### 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. Remove contaminated clothes and shoes. Obtain medical advice if skin disorders develop.

Inhalation: Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Rinse mouth thoroughly. Drink plenty of water. Induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

## **5: FIRE FIGHTING MEASURES**

Flash Point (Closed Cup) :	> 1000°C.
Extinguishing Media:	Carbon dioxide, powder, foam or water.
Personal Protective Equipment:	Self-contained breathing apparatus and protective clothing.
Special Exposure Hazards:	Toxic fumes. Carbon oxides.

## **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 such as 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.
Storage:	Keep container tightly closed in a cool dry area.

## **8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Eye Protection:	Safety glasses/goggles.
Skin Protection:	Impervious gloves (e.g. PVC). Suitable protective clothing.
Respiratory Protection:	Organic chemical cartridge respirator, if needed.
Hygiene Measures:	Change contaminated clothing and clean before re-use.
Engineering Controls:	No specific ventilation requirements noted.
Exposure Guidelines:	None assigned.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Resin impregnated
Colour:	Black
Odour:	Odourless
pH (concentrate):	Not applicable
Boiling Point (°C) :	> 1000
Flash Point (closed cup) (°C) :	> 1000
Autoflammability (°C):	Not determined
Explosive Properties (%):	Not Known
Relative Density (@25°C):	Not applicable
Water Solubility:	Not applicable

## 10: STABILITY AND REACTIVITY

Stability:	Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.
Conditions to Avoid:	Excess heat.
Chemical Incompatibility:	Strong acids. Bases. Strong oxidizing agents.
Hazardous Decomposition Products:	Toxic materials, avoid inhalation.

## 11: TOXICOLOGICAL INFORMATION

### Health Effects

On Eyes:	May cause irritation.
On Skin:	Moderate irritation (rabbit).
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 as intended, no adverse environmental effects are foreseen.
Mobility:	Viscous liquid. Insoluble in water.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Not expected to be bioaccumulate.
Acute Fish Toxicity:	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.
Used/ Contaminated Product:	As for unused product.
Packaging:	Must be disposed off through an authorized waste contractor.

## 14: TRANSPORT INFORMATION

The product is **not** classified as dangerous for transport.

## 15: REGULATORY INFORMATION

The product is **not** classified as dangerous for use.

Risk Phrases:

R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.

Safety Phrases:

S24/25	Avoid contact with skin and eyes.
S39	Wear suitable gloves and eye/face protection.

## 16: OTHER INFORMATION

Issue Date: 09.12.2020 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.



# Material SAFETY DATA SHEET

## Profiber CW System

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast CW Primer**

Description: Base component of two part Epoxy primer.

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
Tel.: +961 1 444 562 Fax: +961 1 444 563  
[www.dcp-int.com](http://www.dcp-int.com)

Date Prepared: 24.11.13

MSDS Number:

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy resin, epoxy diluent.

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	70

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 organism, may cause long-term affects 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. Remove contaminated clothes and shoes. Obtain medical advice if skin disorders develop.
Inhalation:	Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion:	Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

#### **5: FIRE FIGHTING MEASURES**

Flash Point (Closed Cup) :	> 200°C.
Extinguishing Media:	Carbon dioxide, powder, foam or water.
Personal Protective Equipment:	Self-contained breathing apparatus.
Special Exposure Hazards:	Toxic fumes. Carbon oxides.

#### **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 such as 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.
Storage:	Keep container tightly closed in a cool dry area.

#### **8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Eye Protection:	Safety glasses/goggles.
Skin Protection:	Impervious gloves (e.g. PVC). Suitable protective clothing.
Respiratory Protection:	Organic chemical cartridge respirator, if needed.
Hygiene Measures:	Change contaminated clothing and clean before re-use.
Engineering Controls:	No specific ventilation requirements noted.
Exposure Guidelines:	None assigned.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Clear
Odour:	Mild
pH (concentrate):	Not applicable
Boiling Point (°C) :	> 200
Flash Point (closed cup) (°C) :	> 200
Autoflammability (°C):	Not determined
Explosive Properties (%):	Not Known
Relative Density (@25°C):	1.12
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 yield oxides of carbon, toxic fumes.

## 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.  
Acute Oral effect LD50 > 5000 mg/kg.  
Classified as moderate sensitizer.

### Health Effects

On Eyes:	Slight irritation (rabbit).
On Skin:	Moderate irritation (rabbit).
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 as intended, no adverse environmental effects are foreseen.
Mobility:	Viscous liquid. Insoluble in water.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Not expected to be bioaccumulate.
Acute Fish Toxicity:	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.
Used/ Contaminated Product:	As for unused product.
Packaging:	Must be disposed off through an authorized waste contractor.

## 14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

## 15: REGULATORY INFORMATION

### Hazard Label Data:

#### Risk Phrases:

R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.

#### 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.
S39	Wear suitable gloves and eye/face protection.

## 16: OTHER INFORMATION

Issue Date: 24.11.13 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.





# Material SAFETY DATA SHEET

## Quickmast CW Primer - Hardener

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast CW Primer- Hardener**

Description: Hardener component of two part Epoxy primer.

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
Tel.: +961 1 444 562 Fax: +961 1 444 563  
[www.dcp-int.com](http://www.dcp-int.com)

Date Prepared: 24.11.13

MSDS Number:

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent and plasticizer.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Epoxy curing agent	C	R21/22, 34, 43, 52/53	2855-13-2	80

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Causes burns.  
Harmful by inhalation, in contact with skin and if swallowed.  
May cause sensitization by skin contact.  
Harmful to aquatic organism, may cause long-term affects in the aquatic Environment.

Classification: C, R21/22, 34, 43, 52/53

#### 4: FIRST AID MEASURES

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

#### 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) :	> 100°C.
Extinguishing Media:	Carbon dioxide, powder, foam or water.
Personal Protective Equipment:	Self-contained breathing apparatus. Standard aluminized suit.
Special Exposure Hazards:	Toxic fumes. Nitrogen compounds.

#### 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 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.
Storage:	Keep container tightly closed in a cool dry area. Keep away from food containers.

#### 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.
Hygiene Measures:	Change contaminated clothing and clean before re-use.
Engineering Controls:	Use only in well ventilated area. Local exhaust ventilation is recommended.
Exposure Guidelines:	None assigned.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Yellowish to clear
Odour:	Amine
pH (concentrate):	11.5
Boiling Point (°C) :	> 200
Flash Point (closed cup) (°C) :	> 100
Autoflammability (°C):	Autoignition temperature>300
Explosive Properties (%):	Lower Explosive Limit (LEL): 1.3% (by volume). Upper Explosive Limit (UEL): 13% (by volume).
Relative Density (@25°C):	0.99
Water Solubility:	Insoluble

## 10: STABILITY AND REACTIVITY

Stability:	Stable if used as directed.
Conditions to Avoid:	Any source of ignition. Temperature below 0°C.
Chemical Incompatibility:	Strong acids. Strong alkalis. Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition yield oxides of carbon, nitrogen compounds.

## 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:	Strong caustic effect.
On Skin:	Corrosive - causes burns. May cause sensitization.
By Inhalation:	Harmful by inhalation. May cause respiratory irritation.
By Ingestion:	Harmful if swallowed. May cause irritation of mouth, throat and digestive tract. Ingestion of significant amounts may result in severe systemic effects.
Chronic:	Repeated and prolonged skin contact will result in severe irritation leading to burns.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen.
Mobility:	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	No
Air Transport	IATA/ICAO	8	III	
At land	RID/ADR	8	III	

## 15: REGULATORY INFORMATION

### Hazard Label Data:

**C**



**Corrosive**

### Named Ingredients:

Isophorone diamine

Benzyl alcohol

### UN Number:

1760

### Risk Phrases:

R34	Causes burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
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.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 16: OTHER INFORMATION

### Issue Date:

24.11.13

### Revised Date:

### Disclaimer:

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# Material SAFETY DATA SHEET

## Quickmast ER350 - Base

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast ER350 - Base**

Description: Base component of heavy duty carbon fiber reinforced polymer wrap structural strengthening system.

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
Tel.: +961 1 444 562 Fax: +961 1 444 563  
[www.dcp-int.com](http://www.dcp-int.com)

Date Prepared: 24.11.13

MSDS Number:

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Modified epoxy resin, nonreactive additives.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Bisphenol-A epoxy resin	Xi	R36/38, 43	25068-38-6	> 85
Alkyl(C12-C14)glycidylether	Xi, N	R36/38, 43, 51/53	68609-97-2	< 15

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Irritating to eyes and respiratory system.  
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, 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. Remove contaminated clothing. Obtain medical advice if skin disorder develops.
Inhalation:	Move to fresh air. Obtain medical attention if needed.
Ingestion:	Immediately give plenty of water (if possible charcoal slurry). If a person vomits when lying on his back, place him in a recovery position. Do not induce vomiting. Obtain medical advice.

#### **5: FIRE FIGHTING MEASURES**

Flash Point:	> 150°C.
Special Exposure Hazards:	Formation of toxic gases is possible during heating or in case of fire.
Extinguishing Media:	Foam, dry powder, carbon dioxide, water spray jet.
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. Soak up 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 away from food, drinks and animal food.

## 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:	Viscous liquid
Colour:	White
Odour:	Weak
Flash Point (closed cup) (°C):	> 150
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.1 – 1.2
Water Solubility:	Insoluble

## 10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Direct sunshine should be avoided. Electric discharge.
Chemical Incompatibility:	Strong acid, strong base, strong oxidizer and amines.
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 >3,000mg/kg

### Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	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 biodegradable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Toxic to aquatic organisms.

## 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



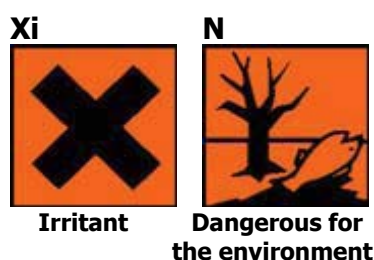
UN/SI Number: 3082

Transport Name: Environmentally hazardous substance, liquid, n.o.s.

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:



Contains: Modified epoxy resin.

### Risk Phrases:

R36/38	Irritating to eyes and respiratory system.
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	Avoid contact with skin.
S28	After contact with skin, wash immediately with plenty of water.
S37/39	Wear suitable gloves and eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.

## 16: OTHER INFORMATION

Issue Date: 24.11.13

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.



# Material SAFETY DATA SHEET

## Quickmast ER350 - Hardener

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast ER350 - Hardener**

Chemical Family: Hardener component of heavy duty carbon fiber reinforced polymer wrap structural strengthening system.

Manufacturer: **Ayla Lebanon**  
Port, Jamarek Street (Face Port Pharmacy), Rbeiz Bldg  
Beirut, Lebanon  
Tel.: +961 1 444 562 Fax: +961 1 444 563  
[www.dcp-int.com](http://www.dcp-int.com)

Date Prepared: 24.11.13

MSDS Number:

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Polyamide resin.

Hazardous ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Polyamide resin	Xi	R36/38, 43, 52/53	-	> 85
Free amines, Triethylene tetramine	Xn, C	R21, 34, 43, 52/53	112-24-3	< 15

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard information: Harmful in contact with skin.  
Causes burns.  
Irritating to eyes and respiratory system.  
May cause sensitization by skin contact.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xn, C. R21, 34, 36/38, 43, 52/53.

#### 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. Remove contaminated clothing. Obtain medical advice if skin disorder develop.
Inhalation:	Move to fresh air. Obtain medical attention if needed.
Ingestion:	Immediately give plenty of water (if possible charcoal slurry). If a person vomits when lying on his back, place him in a recovery position. Administer oxygen or artificial respiration if needed. Do not induce vomiting. Obtain medical advice.

#### 5: FIRE FIGHTING MEASURES

Flash point:	> 200°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 away from food, drinks and animal food. 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.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Color:	Brown
Odour:	Mild amines
Flash Point (closed cup) (°C):	>200
Boiling point (°C):	N/A
Explosive Properties (%):	N/A
Freezing point (°C):	N/A
Relative Density (@25°C):	0.96 ± 0.05
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 >15 g/kg

### Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	N/A.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	NA.
Degradability:	NA.
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

This product is NOT classified as dangerous for transport.

## 15: REGULATORY INFORMATION

### Hazard Label Data:

Xn

C



**Harmful**



**Corrosive**

Contains:

Polyamide resin

Risk Phrases:

R21

Harmful in contact with skin.

R34

Causes burns.

R36/38

Irritating to eyes and respiratory system.

R43

May cause sensitization by skin contact.

R52/53

Harmful 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:

24.11.13

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.