



Material SAFETY DATA SHEET

Gripdeck Flexcoat 100 - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flexcoat 100 - Hardener**

Description: Hardener component of two part elastomeric crack-bridging membrane for Gripdeck 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

Date Prepared: 11.10.2020

MSDS Number: DCP/05/08/117-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:		Curing agent.		
Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Phenol, styrenated	Xi, N	R38, 43, 51/53	61788-44-1	10 - 25
Phenol, methylstyrenated 3-aminomethyl-3,5,	Xi	R38, 43, 52/53	68512-30-1	10 - 25
5-trimethylcyclohexylamine 2,4,6-tris(dimethylaminomethyl)	C, Xn, Xi	R21/22, 34, 41, 52/53	2855-13-2	10 - 25
Phenol	C, Xi	R34, 41, 43	90-72-2	10 - 25
Benzyl alcohol	Xn, Xi	R20/22, 36	100-51-6	10 - 25
4-methylcyclohexane-1,3-diamine	C, Xn	R22, 34	13897-55-7	2.5 - 10
Bis((dimethylamino)methyl)phenol	C	R34	71074-89-0	≤ 2.5
2-Methylcyclohexan-1,3-diamin	C, Xn	R22, 34	13897-56-8	≤ 2.5

Refer to Section 8 for Occupational Exposure Limits.



3: HAZARDS IDENTIFICATION

Hazard Information:	Harmful by inhalation, in contact with skin and if swallowed. Causes burns. Irritating to eyes and skin. Risk of serious damage to eyes. May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Classification:	C, Xn, Xi. R20/21/22, 34, 36/38, 41, 43, 52/53.

4: FIRST AID MEASURES

Eyes:	Rinse opened eye for several minutes under running water. Then consult doctor.
Skin:	Instantly wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
Inhalation:	Take affected persons into the open air and position comfortably. Seek medical treatment in case of complaints.
Ingestion:	Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

5: FIRE FIGHTING MEASURES

Flash Point:	> 100 °C.
Special Exposure Hazards:	Formation of toxic gases is possible during heating or in case of fire.
Extinguishing Media:	CO ₂ , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam - Do not use full water jets.
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:	Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.
Decontamination Procedures:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Do not use near sources of ignition. Avoid breathing fumes. 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:	Store only in the original container. Provide floor trough without outlet. Store away from foodstuffs. Keep container tightly sealed.

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).
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:	Yellowish
Odour:	Amine like
Flash Point (closed cup) (°C):	> 100
Boiling Point (°C):	> 200
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.00 ± 0.05
Water Solubility:	Not miscible

10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Excessive heating. Humidity. Air exposure.
Chemical Incompatibility:	Strong oxidizing agents.
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:	Causes serious eye damage.
On Skin:	Causes severe skin burns and eye damage.
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:	Insoluble in water.
Degradability:	No information available.
Bioaccumulation:	No information available.
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:	Disposal must be made according to official regulations.

14: TRANSPORT INFORMATION



UN/SI Number: 2735

Transport Name: Amines, liquid, corrosive, n.o.s (4-methylcyclohexane-1,3 diamine).

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

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

C



Corrosive

Risk Phrases:

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.
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:

S23	Don not breather fumes.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
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.
S61	Avoid release to the environment. Refer to special instructions / safety data sheets.
S63	In case of accident by inhalation, remove casualty to fresh air and keep at rest.

16: OTHER INFORMATION

Issue Date:

11.10.2020

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.

