



Material SAFETY DATA SHEET

Repcoat PX - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Repcoat PX - Hardener**

Description: Hardener component of two part High performance polyurethane based protective coating

Manufacturer: **DCP Saudi Co**
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MSDS Number: DCP/06/02/35-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy resin, Zink dust, solvent.

Hazardous Ingredient(s)	Symbol	Risk Phrases	Cas No.	%
Xylylene	F, Xn, Xi	R10, 20/21, 38	1330-20-7	25 - 50
Isocyanic acid	-	R43	28182-81-2	25 - 50
2-methoxy-1-methylethyl acetate	-	R10	108-65-6	10 - 25
Ethylbenzene	F, Xn	R11, 20	100-41-4	10 - 25
Hexamethylene diisocyanate	T, Xi, Xi	R23, 36/37/38, 42/43	822-06-0	0.1 - 0.5

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Highly flammable.
Harmful by inhalation and in contact with skin.
Toxic by inhalation.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.

Classification: T, F, Xn, Xi. R11, 20/21, 23, 36/37/38, 42/43.

4: FIRST AID MEASURES

Eyes:	Irrigate immediately with copious quantities of water for 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention urgently.
Skin:	Take off all contaminated clothing immediately. Wash immediately with soap and water or suitable skin cleanser. Do not use solvents or thinners. Obtain medical advice if skin disorders develop.
Inhalation:	Remove from exposure, rest and keep warm. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and obtain medical attention urgently.
Ingestion:	Obtain medical attention. DO NOT induce vomiting. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

Flash Point:	26°C.
Extinguishing Media:	Water spray, alcohol resistant foam, dry chemicals or carbon dioxide. Do not use water jets.
Personal Protective Equipment:	Self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection. Immediately issue NO SMOKING and NO NAKED FLAMES warning and remove any source of ignition. Ventilate the area. Beware of vapours accumulating to form explosive concentration.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Clean with detergent. Avoid solvents. Contain and collect spillage with non-combustible absorbent material (sand, earth...etc.) and place in container for disposal in accordance with local/national regulations.

7: HANDLING AND STORAGE

Handling:	Do not use near source of ignition. Use only in well ventilated areas. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Avoid breathing vapors.
Storage:	Store conformity with local fire regulations. Store out of direct sunlight. Store in temperatures between 5°C and 30°C. Keep containers dry and tightly closed. Vapours may form explosive mixtures with air. Keep away from sources of ignition.



8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses/goggles.
Skin Contact:	Impervious gloves (e.g. PVC), plastic apron and overall. Change contaminated clothing and clean before re-use.
Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Engineering Controls:	Use flameproof equipment and isolate all potential sources of ignition. Use only in Well ventilation areas.
Exposure Guidelines:	None assigned.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Various
Odour:	Characteristic
Boiling Point (°C):	Not applicable
Flash Point (closed cup) (°C):	26
Explosive Properties (%):	Lower Explosive Limit (LEL): 1.1%. Upper Explosive Limit (UEL): 79%
Relative Density (@25°C):	0.90 – 1.00
Water Solubility:	Not applicable

10: STABILITY AND REACTIVITY

Stability:	Contains Volatile Solvent.
Conditions to Avoid:	Any source of ignition. Direct sunlight. Temperatures above 60°C.
Chemical Incompatibility:	Strong acids. Strong oxidizing agents. Strong alkaline materials.
Hazardous Decomposition Products:	Thermal decomposition yields oxides of carbon and irritant fumes.



11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.

Health Effects

On Eyes:	Irritating and may injure eye tissue if not removed promptly. Vapor may cause irritation.
On Skin:	Irritation. Repeated and prolonged exposure may cause removal of natural fat from the skin resulting in desiccation of the skin. The product may be absorbed through the skin.
By Inhalation:	Mist and vapor may cause irritation to nose and respiratory tract. High Concentration of vapor may cause narcosis and asphyxiation.
By Ingestion:	May cause nausea, vomiting and diarrhea. Aspiration of liquid during ingestion or from vomiting may cause severe chemical pneumonitis.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	Contains volatile organic compounds. May cause significant ecological damage in aquatic systems and must be used and disposed off in accordance with the recommendations made in this material safety data sheet.
Mobility:	Volatile. Viscous liquid. Partially soluble in water.
Degradability:	Not determined.
Bioaccumulation:	Not determined.
Acute Fish Toxicity:	Not determined.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Classified as a special waste. Dispose off through an authorized waste contractor to a licensed site.
Used/ Contaminated Product:	As for unused product. Do not empty into drains, sewers or water courses.
Packaging:	Must be disposed off through an authorized waste contractor. Maybe steam cleaned and recycled.

Note: Contains volatile solvent, ventilate before steam cleaning. Contains flammable residues do not crush or incinerate.

14: TRANSPORT INFORMATION



Proper Shipping Name: Paint related material

UN/SI Number: 1263

Transport Type:		Class:	Pack Group:	Item:	Marine Pollutant:
At Sea	IMO	3	III		-
Air Transport	IATA/ICAO	3	III		
At land	RID/ADR	3	III		

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

UN Number: 1263

Risk Phrases:

R10 Flammable.
 R20/21 Harmful by inhalation and in contact with skin.
 R38 Irritating to skin.
 R43 May cause sensitisation by skin contact.

Safety Phrases:

S16 Keep away from source of ignition.
 S23 Do not breathe vapor/spray.
 S36/37 Wear suitable protective clothing and gloves.
 S38 In case of insufficient ventilation wear suitable respiratory equipment
 S61 Avoid release to the environment. Refer to special instructions/safety data sheet

Contains epoxy constituents. See information supplied by the manufacturer.



16: OTHER INFORMATION

Issue Date:

25/4/2016

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.