



Material SAFETY DATA SHEET

Repcoat P – Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Repcoat P – Hardener**

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

Manufacturer: **Don Construction Chemicals India LTD**
Tel. +914426185340/41/42
www.dcp-int.com

Date Prepared: 10.02.15

MSDS Number: DCP-IND/06/02

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Hexamethylene-1,6-diisocyanate homopolymer, xylene.			
Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Hexamethylene-1,6-diisocyanate Homopolymer	Xn	R20, 37, 43	28182-81-2	65 – 85
Xylene isomers mixture	Xn	R20/21	1330-20-7	5 – 15
Ethylbenzene	F, Xn	R11, 20	100-41-4	< 5

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Flammable.
Harmful by inhalation.
Irritating to respiratory system.
May cause sensitization by skin contact.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Classification: Xn. R10, 20, 37, 43, 48/20.

4: FIRST AID MEASURES

Eyes:	Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
Skin:	In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.
Inhalation:	Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing, medical advice is required.
Ingestion:	DO NOT induce the patient to vomit, medical advice is required.

5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup):	> 35°C.
Extinguishing Media:	Carbon dioxide (CO ₂), Foam, extinguishing powder, in cases of larger fires, water spray should be used. Don't use high water jets.
Personal Protective Equipment:	During fire-fighting respirator with independent air-supply and airtight garment is required. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.
Special Exposure Hazards:	Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on protective equipment. Keep away from sources of ignition. Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.
Environmental Precautions:	Do not allow to escape into waterways, wastewater or soil.
Decontamination Procedures:	Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approx. one hour transfer to waste container and do not seal (evolution of CO ₂ !). Keep damp in a safe ventilated area for several days.

7: HANDLING AND STORAGE

Handling:	Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed. Explosion protection required.
Storage:	Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

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.
Hygiene Measures:	Change contaminated clothing and clean before re-use.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Yellowish
Odour:	Solvent like
pH (concentrate):	Not applicable
Boiling Point (°C):	> 145
Flash Point (closed cup) (°C):	> 35
Flammability Limits (°C):	Not applicable
Relative Density (@25°C):	1.05 – 1.09

10: STABILITY AND REACTIVITY

Stability:	Contains volatile solvent.
Conditions to Avoid:	Any source of ignition. And temperatures above 35°C. Humidity.
Chemical Incompatibility:	Strong oxidizers. Amines. Alcohols.
Hazardous Decomposition Products:	Exothermic reaction with amines and alcohols; reacts slowly with water forming CO ₂ , in closed containers risk of bursting owing to increase of pressure.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Acute oral effect (LD50) > 2000 mg/kg.

Health Effects

On Eyes:	Slight irritation.
On Skin:	Slight irritation.
By Inhalation:	Slight irritation.
By Ingestion:	Slight irritation.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	Contains volatile organic compounds.
Mobility:	Viscous liquid. Contains volatile components.
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:	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



UN Number:	1866
Transport Name:	Resin solution.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO/IMDG	3	III	No
Air Transport	IATA	3	III	
At land	RID/ADR	3	III	

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Named Ingredients:

Hexamethylene-1,6-diisocyanate homopolymer, xylene.

UN Number:

1866

Risk Phrases:

R10	Flammable.
R20	Harmful by inhalation.
R37	Irritating to respiratory system.
R43	May cause sensitization by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety Phrases:

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition- No smoking.
S24	Avoid contact with skin.
S36/37	Wear suitable protective clothing and gloves.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16: OTHER INFORMATION

Issue Date:

10/02/2015

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.