



Material SAFETY DATA SHEET

Repcoat ZR471 - Base

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Repcoat ZR471 - Base**

Description: Base component of two component epoxy based zinc rich primer for steel

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

Date Prepared: 11.11.2013

MSDS Number: DCP-IND/04/01-B

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy resin, solvent, inert fillers.

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	20-45
Xylene	Xn	R10, 20/21, 38	1330-20-7	10-25
Zinc dust	N	R50/53	7440-66-6	10-20
solvent	Xn,F	R10	64742-95-6	< 15

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Flammable.
Harmful by inhalation and in contact with skin.
Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.
Toxic to aquatic organism, may cause long-term affects in the aquatic Environment.

Classification: Xn, F, N. R10, 20/21, 36/37/38, 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):	42°C.
Extinguishing Media:	Carbon dioxide, powder, foam or water fog - Do not use water jets.
Personal Protective Equipment:	Self-contained breathing apparatus.
Special Exposure Hazards:	Toxic fumes. Carbon oxides.

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 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. 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:	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.		
Exposure Guidelines:	OSHA Xylene	PEL 100ppm	STEL 150ppm

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid "free from impurities"
Colour:	Various
Odour:	Aromatic
pH (concentrate):	Not applicable
Boiling Point (°C):	135 - 150
Flash Point (closed cup) (°C):	42
Autoflammability (°C):	Not applicable
Explosive Properties (%):	Not Known
Relative Density (@25°C):	1.3 – 1.5
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Contains volatile solvent. Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.
Conditions to Avoid:	Any source of ignition. And temperatures above 35°C.
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 > 2000mg/kg.

Health Effects

On Eyes:	Irritant.
On Skin:	Moderate irritation.
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:	Contains volatile organic compounds.
Mobility:	Viscous liquid. Contains volatile components.
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



UN Number: 1866

Transport Name: Resin solution, flammable. Contains xylene.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMDG	3.3	II	No
Air Transport	ICAO/IATA	3	II	
At land	ADR/RID	3	Item 31c	

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

N



**Dangerous for
the environment**

Named Ingredients:

Epoxy resin (Number average molecular weight <700).

Xylene

UN Number:

1866

Risk Phrases:

R10

Flammable.

R20/21

Harmful by inhalation and in contact with skin.

R36/37/38

Irritating to eyes, respiratory system and skin.

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.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

16: OTHER INFORMATION

Issue Date:

11/11/2013

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.