



# Material SAFETY DATA SHEET

## Aquathane R100

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Aquathane R100**

Description: High quality polyurethane liquid membrane for waterproofing and protection

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

Date Prepared: 25.04.2010

MSDS Number: DCP-IND/08/05

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Polyurethane polymer.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Xylene	F, Xn, Xi	R10, 20/21, 38	1330-20-7	3 - 10

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Flammable.  
Harmful by inhalation and in contact with skin.  
Irritating to skin.

Classification: F, Xn, Xi. R10, 20/21, 38

### 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: Do not induce vomiting. Give nothing by mouth. Obtain medical attention.



## 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup):	42°C.
Extinguishing Media:	Carbon dioxide, powder, foam or sand.
Personal Protective Equipment:	Gloves and 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, no specific hazards because the product is fully polymerized by atmospheric humidity to a solid rubber like material.
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.



## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Various
Odour:	Aromatic
pH (concentrate):	Not applicable
Boiling Point (°C):	Not applicable
Flash Point (closed cup) (°C):	42
Relative Density (@20°C):	1.3 - 1.4
Water Solubility:	immiscible

## 10: STABILITY AND REACTIVITY

Stability:	Contains volatile solvent. Stable.
Conditions to Avoid:	Humidity, any source of ignition. And temperatures above 40°C.
Chemical Incompatibility:	Amines, Alcohols, and water.

## 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:	Irritant, may cause serious damage.
On Skin:	Irritant.
By Inhalation:	Long term inhalation studies on the product – may lead to bronchoconstriction.
By Ingestion:	Serious damage at very high concentrations.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment:	Contains volatile organic compounds.
Mobility:	Viscous liquid. Contains volatile components.
Degradability:	No data.
Bioaccumulation:	Not expected to be bioaccumulate, it is like the rubbers.
Acute Fish Toxicity:	The product does not contain heavy metals or other harmful ingredients. The contained solvents are bio-accumulate and the fillers are physical materials. The contained free isocyanates are fully polymerized by atmospheric humidity to a solid rubber like material, which is familiar to the 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: Must be disposed off through an authorized waste contractor.

### 14: TRANSPORT INFORMATION



UN Number: 1139

Transport Name: Roof paint

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO/IMDG	3.3	III	No
Air Transport	IATA	3	III	
At land	RID/ADR	3	III	

## 15: REGULATORY INFORMATION

### Hazard Label Data:

F



Flammable

Xn



Harmful

Named Ingredients:

Xylene

UN Number:

1139

Risk Phrases:

R10

Flammable.

R20/21

Harmful by inhalation and in contact with skin.

R38

Irritating to skin.

Safety Phrases:

S2

Keep out of the reach of children.

S23

Do not breath fumes/vapours/spray.

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.

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

S43

If swallowed, seek medical advice immediately and show this container or label.

## 16: OTHER INFORMATION

Issue Date:

25/04/2010

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.