



Material SAFETY DATA SHEET

Strongcoat DPM - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Strongcoat DPM - Hardener**

Description: Hardener component of two part Epoxy damp-proof membrane

Manufacturer: **DCP Saudi Co**
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Date Prepared: 06.11.14

MSDS Number: DCP/05/04/49-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent.

| Hazardous Ingredient(s) | Symbol | Risk Phrases | CAS No. | % |
|----------------------------|----------|----------------------|------------|---------|
| Mrthylene dianiline | T, Xn, N | R23/24/25, 43, 52/53 | 101-77-9 | 40 – 60 |
| Epoxy resin | Xi, N | R36/38, 43, 51/53 | 25068-38-6 | 40 – 60 |
| 1,2-Epoxy-3-Phenoxypropane | T, Xn, N | R20, 45, 52/53, 68 | 122-60-1 | 15 – 25 |

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Toxic by inhalation, in contact with skin and if swallowed.
May cause cancer.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Possible risk of irreversible effects.

Classification: T, N. R23/24/25, 45, 52/53, 68.

4: FIRST AID MEASURES

| | |
|-------------|--|
| Eyes: | Irrigate immediately with copious quantities of water for 15 minutes, Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention as soon as possible. |
| Skin: | Remove contaminated clothing. Wash thoroughly with soap and water or suitable skin cleanser as soon as possible for 15 minutes. Obtain medical attention as soon as possible. |
| Inhalation: | Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible. |
| Ingestion: | Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible. |

5: FIRE FIGHTING MEASURES

| | |
|--------------------------------|---|
| Flash Point: | Not applicable. |
| Special Exposure Hazards: | In case of fire toxic fumes will be formed (amines), carbon oxides and nitrogen oxides. |
| Extinguishing Media: | Carbon dioxide. |
| 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: | Keep away from drains, surface-water, ground-water and soil. |
| Decontamination Procedures: | Collect as much as possible in a container for disposal. Cover the remainder with inert absorbent. Disposal according to local regulations. |

7: HANDLING AND STORAGE

| | |
|-----------|--|
| Handling: | Do not breathe vapour. Avoid contact with skin and eyes. |
| Storage: | Keep in a dry cool ventilated place. Direct sunshine should be avoided. Keep away from ignition sources – No smoking. Keep container tightly closed. |

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). |
| Inhalation: | When mist occurs during spraying operations, wear suitable respiratory protective equipment. |
| 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: | Viscous liquid |
| Colour: | Brown |
| Odour: | Mild amines |
| Flash Point (closed cup) (°C): | Not applicable |
| Boiling Point (°C): | Not applicable |
| Explosive Properties (%): | Not applicable |
| Freezing Point (°C): | Not applicable A |
| Relative Density (@25°C): | 0.95 – 1.05 |
| Water Solubility: | Insoluble |

10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| Stability: | Stable. |
| Conditions to Avoid: | Excessive heating. Direct sunshine should be avoided. |
| Chemical Incompatibility: | Acids, Reacts violently with oxidizing agents. |
| Hazardous Decomposition Products: | Noxious fumes, carbon oxides, nitrogen oxides. |



11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 1600 mg/kg.

Health Effects

| | |
|----------------|--------------------|
| On Eyes: | Harmful. |
| On Skin: | Severe irritation. |
| By Inhalation: | Severe irritation. |
| By Ingestion: | Toxic. |
| Chronic: | Not applicable. |

12: ECOLOGICAL INFORMATION

| | |
|---------------------------|--|
| Environmental Assessment: | When used and disposed off as intended, no adverse environmental effects are foreseen. |
| Mobility: | Not applicable. |
| Degradability: | Not applicable. |
| Bioaccumulation: | Bioaccumulative potential. |
| Acute Fish Toxicity: | May cause long-term adverse effects in the aquatic 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: | May be steam cleaned and recycled. |

14: TRANSPORT INFORMATION



UN Number: 2810

Transport Name: Toxic, liquids, organic, n.o.s. or Toxic, liquids, organic, n.o.s.
Inhalation Hazard, Packing Group I, Zone A or B.

| Transport Type: | | Class: | Pack Group: | Marine Pollutant |
|-----------------|-----------|--------|-------------|------------------|
| At Sea | IMO | 6.1 | III | No |
| Air Transport | IATA/ICAO | 6.1 | III | |
| At land | RID/ADR | 6.1 | III | |

15: REGULATORY INFORMATION

Hazard Label Data:

T



Toxic

N



Dangerous for the environment

Contains:

Mrthylene Dianiline

Risk Phrases:

R23/24/25

Toxic by inhalation, in contact with skin and if swallowed.

R45

May cause cancer.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68

Possible risk of irreversible effects.

Safety Phrases:

S24

Avoid contact with skin.

S37

Wear suitable gloves.

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.

16: OTHER INFORMATION

Issue Date:

06/11/2014

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.