



PEP-COAT 2010 SURFACING SYSTEM

Seals and Protects Concrete Pavements

Part B

MATERIAL SAFETY DATA SHEET Part B

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1) IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF COMPANY/ UNDERTAKING

CHEMICAL NATURE: Pep-Coat 2010 - PART B

Use of substance/preparation: 2nd component of a 2 part epoxy resin coating RESTRICTED TO PROFESSIONAL USERS.

COMPANY: Dantex Limited
Communications House
26 York Street London W1U 6PZ

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2) HAZARDS IDENTIFICATION

MAIN HAZARDS: Flammable. Toxic in contact with skin and if swallowed. Causes burns. Irritating to respiratory system. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3) COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:

- ALKYLATED MONOCYCLIC CARBOXYLIC ACIDS 10-30% EINECS: 215-662-8 CAS: 1338-24-5 [Xi] R36/37/38; [N] R51/53
- 2,2'-IMINODIETHYLAMINE 10-30% EINECS: 203-865-4 CAS: 111-40-0 [Xn] R21/22; [C] R34; [Sens.] R43
- CRESOL {MIXTURE} 1-10% EINECS: 215-293-2 CAS: 1319-77-3 [T] R24/25; [C] R34
- CUMENE <1% EINECS: 202-704-5 CAS: 98-82-8 [-] R10; [Xi] R37; [N] R51/53; [Xn] R65
- MESITYLENE 1-10% EINECS: 203-604-4 CAS: 108-67-8 [-] R10; [Xi] R37; [N] R51/53
- XYLENE 1-10% EINECS: 215-535-7 CAS: 1330-20-7 [-] R10; [Xn] R20/21; [Xi] R38
- 1,2,4-TRIMETHYLBENZENE 1-10% EINECS: 202-436-9 CAS: 95-63-6 [-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53

4) FIRST AID MEASURES (SYMPTOMS)

SKIN CONTACT: Irritation or pain may occur at the site of contact. Severe burns may occur. Absorption through the skin may occur causing symptoms similar to those of ingestion.

EYE CONTACT: There may be irritation and redness. There may be severe pain. Corneal burns may occur.

INGESTION: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness.



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INHALATION: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness.

4) FIRST AID MEASURES (ACTION)

SKIN CONTACT: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

EYE CONTACT: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

INGESTION: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre 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.

INHALATION: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5) FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Suitable extinguishing media for the surrounding fire should be used. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

EXPOSURE HAZARDS: Toxic. In combustion emits toxic fumes.

PROTECTION OF FIRE-FIGHTERS: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: if outside keep bystanders upwind and away from danger point. Do not attempt to take action without suitable protective clothing - see section 8 of MSDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

ENVIRONMENTAL PRECAUTIONS: Do not discharge into drains or rivers. Contain the spillage using bunding.

CLEAN-UP PROCEDURES: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7) HANDLING AND STORAGE

HANDLING REQUIREMENTS: Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air.



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STORAGE CONDITIONS: Store in cool, well ventilated area. Keep container tightly closed.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS INGREDIENTS:

- 2,2'-IMINODIETHYLAMINE WEL (8 hr TWA): 4.3 mg/m³
- CUMENE WEL (8 hr TWA): 125 mg/m³ WEL (15 min STEL): 250 mg/m³
- XYLENE WEL (8 hr TWA): 220 mg/m³ WEL (15 min STEL): 441 mg/m³

ENGINEERING MEASURES: Ensure there is sufficient ventilation of the area.

RESPIRATORY PROTECTION: Half face filtering respirator (EN140). Gas/vapour filter, type A: organic vapours (EN141).

HAND PROTECTION: impermeable gloves.

EYE PROTECTION: Safety goggles. Face-shield. Do not wear contact lenses when working with this product. Ensure eye bath is to hand.

SKIN PROTECTION: Protective clothing and boots.

9) PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid

COLOUR: Brown

ODOUR: Irritating odour

SOLUBILITY IN WATER: Not miscible

ALSO SOLUBLE IN: Most organic solvents.

VISCOSITY: Non-viscous

VISCOSITY VALUE: c.2.5 Pa.s

VISCOSITY TEST METHOD: Kinematic

FLASH POINT°C: 45

RELATIVE DENSITY: 1.05-1.10

10) STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Heat. Hot surfaces. Flames.

MATERIALS TO AVOID: Strong oxidising agents. Strong acids.



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HAZ. DECOMP. PRODUCTS: In combustion emits toxic fumes.

11) TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENTS:

2,2'-IMINODIETHYLAMINE IPR RAT LD50 74 mg/kg ORL MUS LD50 970 mg/kg ORL RAT LD50 970 mg/kg

- CRESOL {MIXTURE} ORL MUS LD50 760 mg/kg ORL RAT LD50 1454 mg/kg
- CUMENE ORL MUS LD50 12750 mg/kg ORL RAT LD50 1400 mg/kg
- MESITYLENE IPR GPG LDLO 1303 mg/kg
- XYLENE ORL MUS LD50 2119 mg/kg ORL RAT LD50 4300 mg/kg SCU RAT LD50 1700 mg/kg
- 1,2,4-TRIMETHYLBENZENE IPR RAT LDLO 1752 mg/kg ORL RAT LD50 5 gm/kg

CHRONIC TOXICITY: May cause sensitisation by skin contact. Danger of serious damage to health by prolonged exposure in contact with skin. Danger of serious damage to health by prolonged exposure if swallowed.

ROUTES OF EXPOSURE: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12) ECOLOGICAL INFORMATION

MOBILITY: Absorbed only slowly into soil. Insoluble in water. Heavier than water.

PERSISTENCE AND DEGRADABILITY: Biodegradable in part only.

BIOACCUMULATIVE POTENTIAL: No data available.

OTHER ADVERSE EFFECTS: Toxic to aquatic organisms.

13) DISPOSAL CONSIDERATION

DISPOSAL OPERATIONS: D10 Incineration on land.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14) TRANSPORT INFORMATION

RID/ADR:

UN no: 2927

ADR Class: 6.1

Packing group: II

Classification code: TC1

Shipping name: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (contains cresol {mixture}, epoxy resins)

Labelling: 6.1+8

Hazard ID no: 68



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IMDG / IMO:

UN no: 2927 Class: 6.1
Packing group: II EmS: F-A,S-B
Marine pollutant:
Labelling: 6.1+8

IATA / ICAO:

UN no: 2927 Class: 6.1
Packing group: II Subsidiary risk: 8
Packing instructions: 609(P&CA); 611(CAO)
Labelling: 6.1+8

15. REGULATORY INFORMATION

HAZARD SYMBOLS: Dangerous for the environment. Toxic.



RISK PHRASES: R24/25: Toxic in contact with skin and if swallowed.
R34: Causes burns.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES: 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.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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S61: Avoid release to the environment. Refer to special instructions / safety data sheets
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

HAZ. INGREDIENTS (LABEL): ALKYLATED MONOCYCLIC CARBOXYLIC ACIDS; 2,2'-IMINODIETHYLAMINE; CRESOL{MIXTURE}; 1,2,4-TRIMETHYLBENZENE

NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.



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16) OTHER INFORMATION

Risk phrases used in s.3: R36/37/38: Irritating to eyes, respiratory system and skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R21/22: Harmful in contact with skin and if swallowed.
R34: Causes burns.
R43: May cause sensitisation by skin contact.
R24/25: Toxic in contact with skin and if swallowed.
R10: Flammable.
R37: Irritating to respiratory system.
R65: Harmful: may cause lung damage if swallowed.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R20: Harmful by inhalation.

LEGAL DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

PRODUCT USE:

The provisions of this Safety Data Sheets come under Regulation 6 of Chip*. In addition to this, the users of products supplied by Dantex Limited must take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health (COSHH).

*CHIP is the recognised abbreviation for the Chemicals Abbreviation Hazardous Information and Packaging regulations 1993.

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