

MATERIAL SAFETY DATA SHEET

POLYURETHANE COATING

1. Identification of the substance/preparation and company.

Product Name: Epoxy Products Polyurethane Coating
Product Type : Polyurethane Resin (Moisture Cured)
Application : Concrete and Timber Floor Coating
Supplier: Emergency Telephone Number: (01202) 891899
Epoxy Products Limited, Unit 7, Haviland Rd, Ferndown Industrial Estate, Wimborne, Dorset. BH21 7RZ

2. Hazards Identification

Xn: Harmful
R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
R42: May cause sensitisation by inhalation.
S: 26-28-38-45-51 (see section 15)
P: 91-94 (see section 15)

3. Composition/Information on Ingredients

CAS/Registry No.	Material Description	% Content
101-68-8	Diphenylmethane di isocyanate	< 20
1330 - 20 - 7	Xylene	> 20

4. First-aid Measures

Ingestion: If accidentally swallowed, give large quantities of water or milk or dilute the effects on the stomach. Do not induce vomiting. Seek medical advice.
Inhalation: If inhalation causes adverse effects, remove to fresh air. If problem persists, seek medical advice.
Skin Contact: In case of contact, immediately flush with plenty of water, remove contaminated clothing. Seek medical attention.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to ensure water contact with entire surface of eyes and lids. Seek immediately medical attention..

5. Fire-fighting Measures

Flammable at room temperature. In case of fire, use water spray, dry chemical, foam or carbon dioxide extinguishers. Use water to keep fire-exposed containers cool. For large fires, fire-fighters should wear full emergency protective equipment including self-contained breathing apparatus.

6. Accidental Release Measures

Always wear appropriate protective clothing (refer to Section 8.1).
Large quantities: Contain and absorb with sand or sawdust and prevent from entering drains or watercourses; should this occur, the relevant Local Authority must be notified.
Small quantities: Soak up with absorbent material and remove to a chemical disposal area.

7. Handling and Storage

7.1. Handling

Handle in accordance with good industrial hygiene and safety practices. Refer to Section 8 for appropriate personal protection equipment. Wash thoroughly after handling.

Inhalation: Avoid breathing of vapour. Use in well ventilated areas.
Skin Contact: Avoid contact with skin or clothing.
Eyes: Avoid contact with eyes.

7.2. Storage

Keep in tightly sealed containers and store in a cool dry place avoiding exposure to heat, light, moisture and air.

8. Exposure Controls/Personal Protection

8.1. Personal Protection

Respiratory: Provide adequate ventilation, Use forced ventilation in confined spaces.

Hand : Use protective gloves. Suitable types are polyvinyl alcohol, pvc or neoprene. Other types may be available and used, avoid those which soak up the product and lead to skin contact. If in doubt seek advice from a reputable manufacturer. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye : Eye protection designed to protect against liquid splashes should be worn.

Skin : Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin wash with soap and water or a proprietary skin cleaner.

9. Physical and Chemical Properties

Appearance:	Clear, amber liquid	Viscosity @ 25°C:	0.88 poise
Odour:	Aromatic	Solubility in Water:	Immiscible
Flash Point:	28°C Abel	Flammability:	Flammable
Boiling Point:		Specific Gravity:	0.960

10. Stability and Reactivity

Stable under normal conditions, cures on contact with moisture.

11. Toxicological Information

11.1 LD50 oral (Rats) Xylene 4.30g/Kg

11.2 Effects of Exposure

Eyes May cause conjunctive irritation

Skin Mild Irritant

Inhalation Irritation to the respiratory tract. High concentrations may cause loss of consciousness.

Ingestion Low acute toxicity, may cause gastro intestinal irritation.

12. Ecological Information

There is no data on the product itself, but it should not be allowed to enter drains or water courses.

Data not known to Epoxy Products Limited.

13. Disposal Considerations

Residues of emptied containers should be neutralised with decontaminate (See section 6).

Do not allow into drains or water courses or dispose of where ground or surface water may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the regulations made under the Control of Pollution Act and the Environmental Protection Act. Dispose of in accordance with Local and National Regulations.

14. Transport Information

Conveyance Classification: Not classified.

15. Regulatory Information

EEC Hazard Classification:



Xn - HARMFUL

Risk Phrases:	R 20	: Harmful by inhalation.
	R 36/37/38	: Irritating to eyes, respiratory system and skin.
	R 42	: May cause sensitisation by inhalation.
Safety Phrases:	S 26	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 28	: After contact with skin, wash immediately with plenty of soap and water.
	S 38	: In case of insufficient ventilation, wear suitable respiratory equipment.
	S 45	: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
	S 51	: Use only in well ventilated areas.
P Phrases:	P 91	: Contains isocyanates. See information supplied by the manufacturer.
	P 94	: Empty containers should be disposed of in accordance with the requirements of the Control of Pollution and Environmental Protection Acts. Occupational exposure limits and standard are advised in publication EH40 from the HSE for the purpose of Regulation 7 (1) of the COSHH Regulations.

16. Other Information

Date Issued : 1.02.2008

Reference : SD/PC/03

Intended Use : Concrete and Timber Floor Coating

Product Code : Epoxy Products Polyurethane Coating