

Eurodec Promenade Tiles Ltd

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Revision 2 - 17 March 2004

Product name	Eurodec PU Adhesive
Supplier	Eurodec Promenade Tiles Ltd
Address	14 The Tythings Commercial Centre Southgate Road Wincanton Somerset BA9 9RZ
Emergency telephone number	01963 33940

2. Composition / Information on Ingredients.

Ingredients	Range % Wt.	Symbol	R Phrases
Diphenylmethane-4,4-diisocyanate. <i>EINECS No. 202-966-0 / CAS No. 101-68-8</i> Full text for all R-Phrases shown in Section 16.	10 – 30	Xn	R20 R36/37/38 R42/43

3. Hazards Identification.

Inhalation	Harmful by inhalation. May cause sensitisation by inhalation.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin, may cause sensitisation by skin contact.
Environment	Contains Isocyanates. See information supplied by the manufacturer.

4. First Aid Measures.

Inhalation	If aerosol or vapour has been inhaled in high concentrations, remove patient to fresh air, keep warm and allow to rest. If breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen.
Skin	Remove contaminated clothing. Wash with soap and water. Obtain medical attention promptly if symptoms persist after washing.
Eye	Remove any contact lenses. Flush with water for at least 15 minutes under running water with eyelids held open and obtain medical attention.
Ingestion	DO NOT induce vomiting. Never make an unconscious person vomit or drink fluids. Immediately rinse mouth and drink plenty of water. Obtain immediate medical attention. Provide rest, warmth and fresh air.

5. Fire-fighting Measures.

Extinguishing media	Use: Powder, Foam. DO NOT use water if avoidable.
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Do not get water inside the container. NOTE! Use air-supplied respirators to protect against gases/fumes. Use special protective clothing. Regular protection may not be safe.

6. Accidental Release Measures.

Wear necessary protective equipment. Ventilate well. Avoid contact with skin or inhalation of spillage, dust or vapour. Collect with absorbent, non-combustible material and place into suitable containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbols. Avoid water on spilled material or leaking containers. Do not contaminate water sources or sewers.

7. Handling and Storage.

Handling	Avoid spilling, skin and eye contact. Ventilate well and avoid breathing vapours. Use approved respirator if air contamination is above acceptable levels.
Storage	Keep in a cool, dry, ventilated storage area in closed containers. Always keep in the original container. Store below 25°C.

8. Exposure Controls / Personal Protection.

Ingredient name	CAS No	STD	LT EXP (8 Hrs)	ST EXP (15 Mins)
Diphenylmethane-4,4'-Di-isocyanates	101-68-8	MEL	0.02mg/m ³ (sen)	0.07 mg/m ³ (sen)

Protective equipment



Ventilation	Provide adequate general and local exhaust ventilation. Product must not be handled in confined spaces without sufficient ventilation.
Respiratory protection	Required in inadequately ventilated workplaces or where the general level exceeds the OEL (occupational exposure limit).
Hand protection	Protective gloves should be used if there is a risk of direct contact or splashing. PVC gloves are recommended.
Eye protection	Wear approved safety goggles. Use face shield if splashing is likely to occur.
Body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene	Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that become contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. Physical and Chemical Properties.

Appearance	Light viscous liquid
Colour	Straw to brown
Odour	Slight odour, characteristic, musty (mouldy).
Solubility	Insoluble in water, reacts with water. Soluble in aromatic solvents.
Boiling point	> 300°C
Relative density	1.3 – 1.4
Flash point (Closed cup)	> 300°C
Viscosity	10000 – 15000 cps @ 25°C
Auto-ignition temperature	> 600°C

10. Stability and Reactivity.

Stability	Stable under normal conditions. Reacts with water (moisture) producing CO ² gas.
Conditions to avoid	Avoid excess heat for prolonged periods of time.
Materials to avoid	Acid reactive. Water reactive material. Exothermic reaction with materials containing active hydrogen groups.
Hazardous decomposition	Fire creates: Toxic gas/vapours/fumes of carbon monoxide (CO), carbon dioxide (CO ²), Cyanides and Nitrous gases (NO _x).

11. Toxicological Information.General

Preparation contains small volumes of isocyanate which may cause allergic reaction and irritation of the respiratory system.

Inhalation

This product is a respiratory irritant and potential respiratory sensitiser, repeated inhalation of vapours or aerosols at levels above the occupational exposure limit could cause respiratory sensitisation. Symptoms may include irritation to the eyes, nose, throat, lungs, possibly combined with dryness of the throat, tightness of the chest and difficulty breathing. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitive persons.

Ingestion

Low oral toxicity. Ingestion may cause irritation of the gastrointestinal tract.

Skin Contact

Irritating to skin. May cause sensitisation by skin contact.

Eye Contact

Irritation of the eyes and mucous membranes.

Health Warnings

Prolonged inhalation of high concentrations may damage respiratory system.

Target organs

Skin, eyes, respiratory system, lungs.

12. Ecological Information.

Ecotoxicity	The polymer is expected to be of low toxicity. Immiscible with water, but will react to form inert non-biodegradable solids.
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13. Disposal Consideration.

Waste is classified as special waste. Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980.

Incinerate only in officially approved incinerator. Emptied containers should be disposed of at incineration plants for domestic or industrial waste.

14. Transport Information.

Not classified as hazardous for carriage under transport regulations.

Keep separate from foodstuffs.

15. Regulatory Information.

HARMFUL

Labelling

Risk Phrases

R20

Harmful by inhalation.

R36/37/38

Irritating to eyes, respiratory system and skin.

R42/43

May cause sensitisation by inhalation and skin contact.

Contains:

DIPHENYLMETHANE-4,4'-DIISOCYANATE.

Safety Phrases

S23

Do not breathe gas/fumes/vapour/spray.

S24/25

Avoid contact with skin and eyes.

S26

In case of contact with eyes rinse immediately with plenty of water, seek medical advice.

S28

After contact with skin wash immediately with plenty of soap and water.

S37

Wear suitable gloves.

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 if possible).

S60

This material and its container must be disposed off as hazardous waste.

P4

Contains Isocyanates. See information supplied by the manufacturer.

EC Directives

System of specific information relating to Dangerous Preparations 91\155

Statutory instruments

Chemicals (Hazard Information and Packaging) Regulations.

Approved code of practise

Classification and Labelling of Substances and Preparation Dangerous for Supply.

Guidance notes

Occupational exposure limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for Everyone HSG(108).

Isocyanates toxic hazards and precautions EH16.

16. Other Information.

Other information

This adhesive should be used in accordance with the suppliers recommendations.

The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision number / Replaces

2.0 / 1.0

Date

17 March 2004 / Approved

R Phrases (Full text)

R20

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