

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the Substance / Preparation and of the Company Undertaking

Product Name: SpECseal Glaze PU Hardener

Product Use: Joint Sealants

Company: Speciality Engineering Chemicals FZE

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## 2. Composition / Information on Ingredients

Composition: Polyisocyanate, diluents and inorganic fillers mixture.

Hazardous Ingredient(s)	Symbol	CAS No.	Risk Phrases	%
4,4'-diphenylmethanediisocyanate	Xn	9016-87-9	R20/36/37/43	>90

## 3. Hazards Identification

Non-hazardous  
Harmful if inhaled



## 4. First Aid Measures

**General:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Eyes:** Check for and remove contact lenses if any. Irrigate copious amount of water for several minutes keeping eye lids open. Obtain medical attention if problem persists.

**Skin:** Wash thoroughly with soap and water or suitable skin cleanser immediately. Obtain medical attention if problem persists.

**Inhalation:** Remove to fresh air. If not breathing or irregular breathing, provide artificial respiration. Seek medical attention if the problem continues.

**Ingestion:** Do not induce vomiting. Obtain medical attention and show the container or label.

## 5. Fire Fighting Measures

**Suitable Extinguishing Media:** CO<sub>2</sub> / Dry chemical powder. Do not use water jets.

**Special Exposure Hazards:** Toxic fumes.

**Special Protective Equipment:** Self - contained breathing apparatus.

## 6. Accidental Release Measures

**Personal Precautions:** Wear gloves and other suitable protective clothing.

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Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Soak-up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as hazardous waste.

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## 7. Handling and Storage

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Handling: Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.

Storage: Keep containers dry, cool and tightly closed.

Decontamination Procedure: Soak-up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste.

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## 8. Exposure Controls / Personal Protection

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NOHSC 1003 (1995) Exposure Standard: Isocyanate 0.02mg/m<sup>3</sup> TWA, 0.07mg/m<sup>3</sup> STEL (as NCO)

Engineering Control Measures: Use with adequate general and local exhaust ventilation

Personal Protective Equipment: Impervious gloves, safety goggles, plastic apron.

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## 9. Physical and Chemical Properties

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State: Liquid

Colour: Brown

Odour: Earthy

Flash Point (°C): >200

Specific Gravity: 1.24

Solubility: Insoluble

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## 10. Stability and Reactivity

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Stability: Stable under normal conditions. Polymerises at high temperature with CO<sub>2</sub> evolution

Conditions to avoid: Exothermic reactions with amines and alcohols. Reacts with water forming CO<sub>2</sub>. risk of bursting in closed containers due to increase in pressure

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## 11. Toxicological Information

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Acute toxicity: LD50 oral, rat: >15000mg/kg

This product may be an irritant. May produce inflammatory reactions on inhalation.

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## 12. Ecological Information

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When used and disposed as intended, no adverse environmental effects are foreseen. Expected to be not readily bio-degradable. Bio-accumulative potential and ecotoxicity are not determined.

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## 13. Disposal Considerations

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Disposal must be in accordance with local and national legislation.

Do not allow to enter drains or watercourses. Material and container must be disposed as hazardous waste.

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## 14. Transport Information

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Proper shipping name: Polyisocyanate mixture

UN Number: Not classified as hazardous for transport

IMO Class : Not classified as hazardous for transport

IATA/ICAO Class: Not classified as hazardous for transport

ADR Class: Not classified as hazardous for transport

Subsidiary risk: -

Packing Group: -

Label(s): -

Additional Information

ADR-HIN: -

IMDG-EMS: - Marine Pollutant: Yes

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## 15. Regulatory Information

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**EU Regulations:** The product is labeled as follows, in accordance with local regulations.

Hazard Symbol(s): Xn

Contains: Polyisocyanates

Risk Phrases: R20 - Harmful by inhalation  
R36 - Irritating to eyes  
R38 - Irritating to skin

Safety Phrases: S28 - After contact with skin, wash immediately with plenty of water  
S39 - Wear eye/face protection  
S61 - Avoid release to environment. Refer to special instructions/MSDS

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## 16. Other Information

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Issue no.: 1

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Issued by: SpEC Technical Department

No liability accepted for any injury, loss, damage or cost arising directly or indirectly from the use of any information contained within this MSDS since the customers treatment of the product is necessarily out of our control.

The data given above is based upon current knowledge and experience. This safety sheet is intended to describe our products in terms of their safety requirements. It does not guarantee the properties of the products described.