



SAFETY DATA SHEET

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

Product Name: SpECseal PU25

Product Use: Joint Sealant

Company: Speciality Engineering Chemicals FZE

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2. Composition / Information on Ingredients

Composition: Preparation based on polymeric ethyl carbamate urethane entirely cross-linked

Hazardous Ingredient(s)	Symbol	R Phrases	Other Information	%
Diphenylmethane 4,4'-diisocyanate	Xn	R20; R36/37/38; R42/R43	CAS: 101-68-8	<1
Xylene	Xn	R10; R20/21; R38	CAS: 1330-20-7	<1%
Naptha hydrotreated heavy (petroleum)	Xn	R10; R65; R66	CAS: 64742-48-9	≤10%

3. Hazards Identification

Contains slight quantities of isocyanate (<at 1%)
May cause sensitisation by inhalation
May result in light irritation by skin and eye contact



4. First Aid Measures

Information in case of:

After inhalation: Remove to fresh air. If irritation persists, seek medical advice.

After contact with skin: Wash skin with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical attention

After contact with eyes: Wash eyes with plenty of water. If irritation persists, seek medical attention.

After ingestion: Do not induce vomiting. Seek medical advice.

5. Fire Fighting Measures

Suitable Extinguishing Media: Water spray, Carbon Dioxide (CO₂).

Unadvised extinguishing media: Pressurized-water fire extinguisher

Specific dangers: Intact packaging could explode. Use water spray to cool fire exposed containers.

Special Protective Equipment: Wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions:	Gloves should be worn
Environmental Precautions:	Do not empty into drains. This material and its container must be disposed of in a safe way
Methods for cleaning up:	Scrape off mastic after polymerization
Product recovery:	Polymerized mastic can be scraped off after polymerization
Product neutralizing and elimination:	Incinerate according to appropriate regulations

7. Handling and Storage

Handling:	Ensure adequate ventilation. Avoid smoking and drinking when handling. Keep away from sources of ignition.
Storage:	Store in a cool, dry, well ventilated area. Keep container tightly closed.
Incompatible materials:	strong acids and strong bases

8. Exposure Controls / Personal Protection

Exposure Control Limits:

Substance	8 hour TWA	Source/Other Information
Diphenylmethane-4,4'-diisocyanate	Short term: 0.1 mg/m ³ Long term: 0.2 mg/m ³	

Engineering Control Measures:	Use only in well ventilated areas. Avoid smoking, eating and drinking when handling
Personal Protective Equipment:	Goggles. Impervious gloves.

9. Physical and Chemical Properties

Form:	Solid
Colour:	Various colours
Odour:	Light
Flash Point:	>40 °C
Self-Ignition Temperature:	>200 °C
Explosion limits:	Lower: 0.6 Vol % Upper: 8 Vol %
Density (at 20°C):	1.16
Water Solubility:	Insoluble
VOC having @ 293.15K a vapour pressure of 0.01 kPa or more:	<7%

10. Stability and Reactivity

Stability:	Stable product if used and stored at indicated temperatures
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Conditions to avoid: Heat
Materials to avoid: Strong acids and strong bases.
Hazardous decomposition products: CO, CO₂, isocyanate traces

11. Toxicological Information

Health Effects

On Eyes: Conjunctivitis.
By Inhalation: Can cause sensitisation when inhaled.
By Ingestion: No serious effect

12. Ecological Information

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility: Insoluble in water.
Persistence and Degradability: Expected to be readily biodegradable.
Bioaccumulative Potential: Not known.
Ecotoxicity: Not ecotoxic to fish/daphnia/algae in cured state

13. Disposal Considerations

Excess substance or waste: Solid mass can be incinerated.
Elimination method: Incineration according to appropriate regulations.
Contaminated packaging: Aluminium packaging maybe recycled.
Elimination method: According to appropriate regulations

14. Transport Information

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: -
Packaging group: -
Label: -
Additional information
ADR-HIN: -
IMDG-EMS: - Marine Pollutant: No
IMO:

15. Regulatory Information

Hazard label: Not classified as hazardous

Symbol: Xn

Risk Phrases: May cause sensitisation by inhalation

Safety Phrases: Do not breathe vapour
In case of accident or if unwell, seek medical advice immediately (show the label whenever possible)
Keep out of the reach of children

16. Other Information

Issue no.: 5

Issue date: 13-Sep-22

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.