

MATERIAL SAFETY DATA SHEET

BOSS® PU 50 Urethane Sealant

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product commercial name: Boss PU 50 Urethane Sealant.

Company: Accumetric LLC.
350 Ring Road, Elizabethtown,
Kentucky 42701, USA.
Tel: + 1 270 769 3385
Fax: + 1 270 765 2412

Emergency telephone number: + 1 270 769 3385 (business hours only)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Polyurethane polymer.

	CAS-no.	Content	Classification
xylene, mixed isomers, pure	1330-20-7	7 ± 1 %	Xn; R 10-20/21-38 EINECS: 215-535-7
Distillates (petroleum), hydrotreated light	64742-47-8	<2 %	Xn; R 65-66 EINECS: 265-149-8
diphenylmethane-4,4'- diisocyanate	101-68-8	<0.5 %	Xn; R 20-36/37/38-42/43 EINECS: 202-966-0

3. HAZARDS IDENTIFICATION

Human health hazards: Irritant by contact with eyes and if swallowed. May cause sensitization by inhalation.

Safety hazards: No specific hazards because the product is fully polymerized by atmospheric humidity to a solid rubber like material.

4. FIRST - AID MEASURES

First Aid - Inhalation: No specific hazards. Not important volatile substances.

First Aid - Skin: Wash immediately with alcohol, soap and plenty of water. If rapid removal does not occur, remove it after it's fully polymerized.

First Aid - Eye: Rinse immediately with soap and plenty of water. Obtain medical advice if there are persistent symptoms.

First Aid - Ingestion: Do not induce vomiting. Give nothing by mouth. Obtain medical attention.

Advice to physicians: In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.

5. FIRE FIGHTING MEASURES

Extinguishing media: Sand, dry extinguishing media, foam and carbon dioxide.

Unsuitable extinguishing media: -

Protective equipment: Gloves and self- protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing and gloves.

Environmental precautions: No specific hazards because the product is fully polymerized by atmospheric humidity to a solid rubber like material.

Clean-up methods: Transfer the product to a tank for suitable incineration in accordance with local regulations.

7. HANDLING & STORAGE

Handling: Avoid contact with eye and skin.

Storage: In the original containers tightly sealed in a dry place. It is not flammable product.

Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering control measures: Not required.

Occupational exposure standards: None established.

Respiratory protection: Not required.

Hand protection: None specified requirements.

Eye protection: None specified requirements.

Body protection: None specified requirements.

9. PHYSICAL & CHEMICAL PROPERTIES

· General Information

- Form: Pasty
- Colour: Various colours
- Odour: Light

	Value/Range	Unit
· Change in condition		
· Melting point/Melting range:	Undetermined	
· Boiling point/Boiling range:	137	° C
· Flash point:	40-55	° C

· Flammability (solid)

The product is not subject to Classification because its speed of combustion is lower than the limit of the regulation.

· Self-ignition temperature: >200 ° C

· Danger of explosion:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible

· Explosion limits:

· Lower:	0.6	Vol %
· Upper:	8	Vol %

· Density: at 20 ° C 1.17

· Solubility in / Miscibility with water: Insoluble

10. STABILITY/REACTIVITY

Stability: Minimum self-life in sealed containers 12 months under conditions without humidity and temperature up to 30 °C

Conditions to avoid: Humidity, long term studies at the sun and storage in high temperature (>30 °C).

Materials to avoid: Amines, alcohols and water.

Hazardous decomposition products: None expected.

11. TOXICOLOGICAL INFORMATION

Eye irritation: May cause serious damage.

Skin irritation: Irritant.

Respiratory irritation: Not important volatile substances.

Ingestion irritation: Serious damage at very high concentrations. Do not delay. Go immediately to hospital.

12. ECOLOGICAL INFORMATION

Mobility: None expected because of the fully polymerization of the product to a solid rubber like material.

Bio-accumulation: It is like the rubbers.

Persistence/degradability: -

Eco-toxicity: The product does not contain heavy metals or other harmful ingredients. The fillers are physical materials. The contained isocyanates are fully polymerized by atmospheric humidity to a solid rubber like material, which is familiar to the environment. The product is packaged in sausages of aluminum foil.

13. DISPOSAL CONSIDERATIONS

Must be disposed of by special means, e.g. suitable incineration in accordance with local regulations.

14. TRANSPORT INFORMATION

No classified as dangerous for conveyance.

15. REGULATORY INFORMATION

EC Classification: Harmful.

Contains: Diphenylmethane-4,4'-diisocyanate isomers and homologues.

EC Symbols: Xn, Harmful, <<Contains isocyanates. See the instructions of the producer>>.

EC Risk phrases: R42 May cause sensitization by inhalation.

EC Safety phrases: S2 Keep out of the reach of children.
S23 Do not breathe fumes/vapour/spray.
S40 To clean the floor and all objects contaminated by this material, use XYLOLE or ACETONE.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S46 If swallowed, seek medical advice immediately and show this container or label.
S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

16. OTHER INFORMATION

Uses: Universal one-component polyurethane sealant for joint filling, excellent adhesion to many different construction materials around windows and doors, on roofs, etc.

MSDS history:

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