

1. Product & Company Identification

- **Product Detail:**

Product name: HIGHSEAL PU SEALANT

Physical form: Thixotropic Paste

Odour: Odourless

Colour: White, Black, Grey

CAS No.:

- **Company Details:**

Manufacturer: Highbond Coatings Pvt Ltd

Address: Sr. No. 70/2B/1, Flat No 101 & 102,
Purushottam Villa, Vadgaon Bk,
Pune – 411041

Tel: +91 9370953995

Email: info@highbondcoatings.com

2. Hazards Identification

Classification of the substance or mixture

GHS Classification:

Acute toxicity, Inhalative,

Category 4 (H332)

Skin irritation, Category 2 (H315)

Eye irritation, Category 2 (H319)

Sensitization of the respiratory airways, Category 1 (H334)

Sensitization of the skin, Category 1 (H317)

Carcinogenicity, Category 2 (H351)

Specific target organ toxicity (single exposure),

Category 3 (H335)

Specific target organ toxicity (repeated exposure),

Category 2 (H373)

2.2 Label elements

GHS-Labeling



Signal word Danger

Uncured product

Hazard statements:

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated H317 - May cause an allergic skin reaction

H336 - May cause drowsiness or dizziness H350 - May cause cancer

H372 - Causes damage to organs through prolonged or repeated exposure H411 - Toxic to aquatic life with long lasting effects

3. Composition / Hazardous Components

Chemical description: Mixtures

Chemical Name	CAS No.	WT%
Polyvinyl chloride	9002-86-2	20 – 50 %
Diiron trioxide	1309-37-1	< 1.5
TiO ₂	13463-67-7	< 2.5
Carbon black	1333-86-4	< 1.0
Urethane Polymer	NA	20 – 40 %
Xylene, mixture of isomers	1330-20-7	2 – 5 %
Ethylbenzene	100-41-4	< 1.0

4. First-aid Measures

Take off all contaminated clothing immediately.

In case of inhalation: Supply fresh air and to be sure call for a doctor.

In case of ingestion: Do not induce vomiting. Seek medical advice immediately.

In case of skin contact: Wipe with paper towel and immediately clean with water and soap.

In case of eyes contact: Immediately flush with water, seek medical advice if necessary.

Indication of any immediate attention and special treatment needed:

No further relevant information available.

5. Fire Fighting Measures

- **Suitable extinguishing media:** Water spray, dry extinguishing media, carbon dioxide or universal foams Contaminated extinguishing water must be disposed of in accordance with local regulations
- **Unsuitable extinguishing media:** High volume water jet
- **Hazardous decomposition:** Carbon dioxide, carbon monoxide, silicone dioxide and nitrogen oxides and formaldehyde.

6. Accidental release measures

- **Small spills:** Slippery when spilt. Avoid accidents, clean up immediately. Wipe up with rag or absorbent paper.
- **Large spills:** Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal. Wash area down with excess water. Cured material can only be removed by cutting or abrasion.

7. Handling and Storage

- **Handling:** Avoid contact with eyes and skin. Ensure good ventilation during processing. Wear safety shoes.
- **Protection against fire/ explosion:** General rules of fire prevention should be observed.
- **Storage:** Keep container tightly closed and dry.

8. Exposure control / Personal protection

Ingredients with limited values to be controlled: Not indicated.

Local exhaust: Recommended

General ventilation: Recommended

Hand protection: Suitable protective gloves.

Eye protection: Safety/ protective glasses.

Flammability: Combustible

Note: Until more data is known, exposure levels should be maintained as low as achievable.

9. Physical and Chemical Properties

PROPERTIES	RESULT
Chemical base	Polyurethane (PU)
Colour	White/ Black/Grey
Appearance	Thixotropic Paste
Density	Approx. 1.55 g/mL
Solid Content	99.50 %
Cure Mechanism	Moisture Curing
Non-Sag Properties	Good
Application temperature	5°C to 40°C
Track free time	30 – 60 minutes
Drying time	24 Hrs
VOC Content	< 10 g/L
Shore A-hardness	Approx. 35 - 45
Tensile Strength	Approx. 1.8 MPA
Elongation at break	>600 %
Service temperature	-30 °C to 100 °C
Shelf life (Storage below 30°C)	12 Months

10. Stability and Reactivity

Chemical stability: Stable

Incompatibility (material to be avoid): None known.

Conditions to be avoid: None known.

Dangerous reactions: None known.

Dangerous products of decomposition: None known.

11. Toxicological Information

Acute toxicity:

Not determined

Primary irritant effect,

On the skin:

Irritant for skin and mucous membranes.

On the eye:

Irritant effect

Sensitization:

Sensitization possible by inhalation.

**Additional Toxicological
information:**

Until more data is known, exposure levels
should be

Information on toxicological effects

Information on toxicological effects

Acute Toxicity

LD/LC50 values relevant for classification:

1330-20-7 xylene

LD50 4300 mg/kg (rat) LD50 2000 mg/kg (rabbit) ·

Oral Dermal

Primary irritant effect:

Irritating. Irritating

on the skin: on the eye:

Not classified

Sensitization:

12. Ecological Information

Toxicity

Aquatic toxicity information available.

Persistence and degradability: No further relevant information available

Bioaccumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

General Notes:

Water hazard Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities

Results of PBT and vPvB assessment: Non applicable

Other adverse effects: Avoid release to the environment

No further relevant information available

13. Regulatory Information

Safety, health and environmental regulation/legislation specific for the substance or mixture

The mixture classification is according to CLP Regulation 1272/2008/EC ·

Labelling according to Regulation (EC) No 1272/2008 Label elements in Section 2.2

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

Chemical safety assessment: A Chemical Safety Assessment has not been carried out

14. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.

Highbond Coatings Pvt Ltd

Sr. No. 70/2B/1, Flat No 101 & 102,
Purushottam Villa, Vadgaon Bk,
Pune – 411041

Tel : +91 9370953995

Mail : info@highbondcoatings.com