

1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

Product name: HIGHSEAL PU

Physical form: Liquid

Odour:

Colour: White

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:

H315 Causes skin irritation.

H318 - Causes serious eye damage

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

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 place Isomer	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	RESULTS
Specific Gravity	1.20±0.05 @30°C
Solid Content	92 ±2 %
Elongation at Break	> 600 % (ASTM D 412)
Tensile Strength	> 4 N/ mm 2 (ASTM D 412)
Water Vapor Permeability	> 25 gr/m2/day (ISO 9932:91)
Resistance to mechanical damage by static impression	High Resistance (class: P3) (EOTA TR-007)
Resistance to mechanical damage by dynamic impression	High Resistance (class: P3) (EOTA TR-006)
Resistance to Water Pressure	No Leak (1m water column, 24h) (DIN EN 1928)
Adhesion to concrete	2.50 ± 0.50 (ASTM D 903)
Crack Bridging Capability	up to 2 mm crack (EOTA TR-008)
Hardness (Shore A Scale)	65-70 (ASTM D 2240)
Resistance to Root Penetration	Resistant (UNE 53420)
Thermal Resistance (80°C for 100 days)	Passed - No significant changes (EOTA TR-011)
UV accelerated ageing, in the presence of moisture	Passed - No significant changes (EOTA TR-010)
Resistance after water aging	Passed (EOTA TR-012)
Hydrolysis (5% KOH, 7days cycle)	No significant elastomeric change
Construction Material Fire class	B2
Service Temperature	-30°C to +90°C
Shock Temperature (20min)	200°C
Light Pedestrian Traffic Time	18-24 hours
Final Curing time	7 days
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.

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: Sensitization:

Not classified

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity information available.

Persistence and degradability: No further relevant information available

Bio-accumulative 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.

End of Safety Data Sheet

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