1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

Product name: FLOORBOND PU
Physical form: Liquid
Odour:
Colour:
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 IENTIFICATION

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-Labelling

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%
Petroleum gases, liquefied	68476-85-7	30-60%
Naphtha (petroleum), hydro-desulfurized heavy	64742-82-1	10 – 30%
Hydrocarbons, C9-C12, n-alkanes, iso alkanes, cyclics, aromatics (2-25%)	–	10 – 30%
2-butanone oxime	96-29-7	0.1-1%
Cobalt bis (2-ethylhexanoat e)	136-52-7	<0.1%
4,5-Dichloro-2-octyl- 2H-isothiazol-3-one	64359-81-5	<0.1%
Di-propylene Glycol Monomethyl Ether	34590-94-8	<0.1%

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.

1. 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.

2. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	RESULTS
Mixed density	1.86 g/cc
Pot life	15 - 20 mins
Impact Resistance	15 Nm
Service temperatures	-25°C to +60°C (at 2mm Thickness)
Abrasion Resistance Taber Abrader - (1 kg load using CS17 wheels)	0.12g loss per 1000 cycles
Slip Resistance	Dry>40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)
Compressive Strength	>50 N/mm2
Flexural Strength	>20 N/mm2
Tensile Strength	>10 N/mm2
Bond Strength	Greater than cohesive strength of 25 N/mm2 concrete. >1.5 MPa
Chemical Resistance	Excellent resistance to sugars and most acids (organic and inorganic)
Shore D Hardness	~85

Speed of Cure	**10˚C**	**20˚C**	**30˚C**
Light Traffic	36 h	24 h	12 h
Full Traffic	72 h	48 h	24 h
Full Chemical Cure	12 d	7 d	6 d

3. 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.

4. 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

5. ECOLOGICAL INFORMATION

Toxicity
Acquatic 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

6. 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

7. 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.

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