

1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

Product name: BONDPROTECT PU 102

Physical form: Coloured liquid

Odour: Mild Odor

Colour: IS/RAL/Customized

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:

H226 Flammable liquid and vapor

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life

H317 May cause an allergic skin reaction.

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

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

3. COMPOSITION/HAZARDOUS COMPONENTS

Chemical description: Mixtures

Chemical Name	CAS No.	WT%
Acrylic Resin	Mixture	40-60 %
Solvents	1330-20-7	15-40%
Butyl Acetate	123-86-4	05-15%
Polyisocynate	Proprietary	10-20 %
Extender	14808-60-7	1-15 %
Pigments	13463-67-7	05-25%
Additive	Proprietary	0.5- 04%

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
Chemical Base	Acrylic Polyol with Aliphatic Isocyanate
Color	IS/RAL/Customized
Surface Finish	Glossy
Volume Solid	45+/-5 %
Typical Thickness	25 - 40 Micron/Coat
Mixing Ratio	4:1 by Volume
Pot Life	4 hours @300C
Theoretical Coverage	18 to 11.25 Sq. mtr/Lit/coat
Over Coating	Min 16 hours
Interval	Max 7 days
Full Cure	7 days
Flash Point	Above 23°C
Specific Gravity	1.05 - 1.20 Kg/Liter
VOC	600-700 g/l
Shelf-life	12 Months

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Incompatibility (material to be avoided): Incompatible with oxidizing agents.

Conditions to be avoided: Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.

Hazardous reactions: Hazardous polymerization will not occur.

Hazardous products of decomposition: Oxides of carbon. Oxides of nitrogen.

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

Oral Dermal

Primary irritant effect:

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

Irritating. Irritating

Not classified

on the skin: on the eye: Sensitization:

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Toxicity: Harmful to aquatic organism.

13. DISPOSAL CONSIDERATION

Waste Disposal: Recover or recycle as much as possible. Otherwise dispose in accordance with all applicable national e environment laws and regulations: Normally suitable for disposal at approved land waste site.

14. 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

15. 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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