

## 1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

**Product name:** BONDPLAST

**Physical form:** Powder

**Odour:** Odourless

**Colour:** 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:**

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%
<b>Diphenyl methane diisocyanate-prepolymer</b>	Proprietary	10 - 30%
<b>Phthalate ester</b>	68515-48-0	10 - 30 %
<b>Calcium Carbonate</b>	147-34-1	25 - 35%
<b>Magnesium Silicate</b>	14807-96-6	10 - 20%
<b>2,2'-Dimorpholinyldiethyl ether</b>	6425-39-4	<1%
<b>Dimethyl benzene</b>	1330-20-7	10 - 20%

### 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

TEST	RESULTS
Colour	Greyish Granular Powder
Dry Density	1700 kg/m <sup>3</sup>
Water Retentivity	Min. 95%
Pot Life	1-1.5 Hrs
Initial/Final Setting Time	30/600 Mins
Compressive Strength	8.5-12.5 MPa
Flexural Strength	1.8-2.0 MPa
Pull Off Adhesion Strength	0.3 - 0.4 MPa

## 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

<b>Acute toxicity:</b>	Not determined
<b>Primary irritant effect, On the skin:</b>	Irritant for skin and mucous membranes.
<b>On the eye:</b>	Irritant effect
<b>Sensitization:</b>	Sensitization possible by inhalation.
<b>Additional Toxicological information:</b>	Until more data is known, exposure levels should be Information on toxicological effects
<b>Information on toxicological effects Acute Toxicity LD/LC50 values relevant for classification:</b>	LD50 4300 mg/kg (rat) LD50 2000 mg/kg (rabbit) ·
<b>1330-20-7 xylene Oral Dermal</b>	Irritating. Irritating
<b>Primary irritant effect: on the skin: on the eye:</b>	Not classified
<b>Sensitization:</b>	

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Acquatic 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.



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