

## 1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

**Product name:** BOND PLASTER

**Physical form:** Thick paste

**Odour:** Petrol-like

**Colour:** Blue

**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

**Emergency overview-** Irritant Highly Flammable.

**Eye-** Will cause eye irritation.

**Skin contact-** Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

**Inhalation-** Low order of toxicity.

**Ingestion-** Low oral toxicity.

## 3. COMPOSITION/ HAZARDOUS COMPONENTS

**Chemical description:** Mixtures

COMPONENTS	CAS NO.	CONCENTRATION
Ethylacetate	141-78-6	10-30
Isopropanol	67-63-0	10-20
n-Heptane	142-82-5	1-20
Toluene	108-88-3	1-5

#### 4. FIRST-AID MEASURES

Normal use does not require special measures; for industrial production in the long term, refer to the following:

- Eye:** Irrigate with eyewash solution or clean water until pain is relieved.
- Skin contact:** Wash skin with soap and water. Remove grossly contaminated clothing, including shoes, and launder before re-use. Discard shoes.
- Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.
- Ingestion:** Treat symptomatically and supportively. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use extinguishing agent suitable for local conditions and the surrounding environment such as dry powder or CO<sub>2</sub> dry chemical; Foam, Water fog.

**Special firefighting procedures:** Fire fighters should be equipped with self-contained apparatus to protect against potentially toxic and irritating fumes; cool exposed equipment with water spray.

**Fire and explosion:** Dangerous fire hazard when exposed to heat or flame. The vapour is heavier than air and may travel a considerable distance to a source of ignition and flashback.

**Hazardous combustion products:** Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

**Lower explosion limit:** (%) 2.0

**Upper explosion limit:** (%) 19.0

**Auto flammability:** >260 degrees

**Flash point:** -4 degrees

#### 6. ACCIDENTAL RELEASE MEASURES

Normal use does not require special measures; for industrial production in the long term, refer to the following:

**Spill and leak procedures:** Shut off ignition sources, stop leak if you can do it without risk. For small liquid spills, take up with sand or other absorbent material. For larger spills, dam far ahead of spill for later disposal. No smoking, flames or flares in hazard area! Keep unnecessary people away.

## 7. HANDLING AND STORAGE

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

## 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

<u>Component</u>	<u>Exposure limits</u>
Ethylacetate	ACGIH-TW A: 400ppm
Isopropanol	ACGIH-STEL:500ppm ACGIH-TW A:400ppm
n-Heptane	ACGIH-STEL:500ppm ACGIH-TW A:400ppm
Toluene	ACGIH-TW A: 50ppm (skin)

**Local exhaust:** Recommended  
**General ventilation:** Recommended  
**Hand protection:** Suitable protective gloves.  
**Eye protection:** Safety/ protective glasses.  
**Flammability:** Combustible

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Thick Paste
Colour	Blue
Gravity	1.35 ± .01
Service Temperature	5 °C to +90 °C
PH	7-9
Bond Strength	1 MPa at 28 days
Setting Time @ 30° C	4 hours (Initial), 8 hours (Final)
Solid Content	67±5
Coverage	35 - 40 Sqft per Kg for Single Coat

## 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

**Eye-** Will cause eye irritation.

**Skin contact-** Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

**Inhalation-** Low order of toxicity.

**Ingestion-** Low oral toxicity.

**Skin corrosion/irritation:** No data available.

**Serious eye damage/irritation:** No data available.

**Respiratory or skin sensitization:** No data available.

**Germ Cell mutagenicity:** No data available.

## 12. ECOLOGICAL INFORMATION

**Potential effect:** Unknown

**Persistence and degradability:** Unknown

**Ecotoxicity:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods recommendation:** Consult state, local or national regulations to ensure proper disposal.

**Empty container warning:** empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

## 14. REGULATORY INFORMATION

### RISK PHRASES

**R36**- irritating to eyes  
**R66**- repeated exposure may cause skin dryness and dizziness  
**R67**- vapors may cause drowsiness  
**R11**- highly flammable  
**S9**- keep container in a well-ventilated place  
**S16**- keep away from sources of ignition- no smoking  
**S26**- in case of contact with eyes, rinse immediately with water.  
**S37**- Wear suitable gloves.

## 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.

**End of Safety Data Sheet**

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