

1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

Product name: BONDFLEX 2K

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)

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

Component	CAS No.	WT%
Portland cement	65997-15-1	42 -48 %
Acrylic co-polymer	-	30- 40 %
Sand	14808-60-7	4 - 6.5 %
Additive	-	2-3%

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.

8. 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.

9. 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.

10. PHYSICAL AND CHEMICAL PROPERTIES

PARAMETERS	RESULTS
Solid Content	> 54 %
Mixed Density, gm / cc	1.80 ± 0.03
Working Time, minute	45 - 60
Pot Life	~45 minutes
Complete curing time	7 days
Theoretical coverage, kg/m ² per mm in 2 coats	1.6
Tensile Strength (ASTM D412)	2 ± 0.1
Shore Hardness A	~ 90
Elongation (ASTM D412)	~ 110 %
Crack bridging ability, mm	1 mm

11. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions
Incompatibility (material to be avoid): Reacts with water, Incompatible with acid.
Conditions to be avoid: Unintentional contact with water.
Dangerous reactions: None known.
Dangerous products of decomposition: No hazardous decomposition products known.

12. 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	
Acute Toxicity	
LD/LC50 values relevant for classification:	LD50 4300 mg/kg (rat) LD50 2000 mg/kg (rabbit) ·
1330-20-7 xylene	
Oral Dermal	Irritating. Irritating
Primary irritant effect:	Not classified
on the skin: on the eye: Sensitization:	

13. 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

14. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local and governmental regulations
Unused Product: Dispose of through an authorised waste contractor to a licensed site. Used/Contaminated Product: As for Unused product. Packaging: Dispose of bags in an approved landfill or incinerator.

15. 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

16. 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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