

## 1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

**Product name:** WALLGUARD

**Physical form:** Liquid

**Odour:** Slight/Faint

**Colour:** Viscous liquid, any Color Shade

**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

**Inhalation:** May cause irritation to the respiratory tract, with symptoms of Bronchitis.

**Ingestion:** May cause abdominal cramps, nausea, vomiting, diarrhea.

**Skin Contact:** Slightly irritating.

**Eye Contact:** May cause irritation.

## 3. COMPOSITION/ HAZARDOUS COMPONENTS

**Chemical description:** Mixtures

Chemical Name	CAS No.	WT%
Styrene Acrylic Co-polymer	9010 - 92 - 8	25-35 %
Extenders	8061-51-6	30 - 35 %
Additives	Trade secret	5 - 10 %
Pigments	Trade secret	10 - 15 %
Water	7732-18-5	15 - 25%
Biocides	CAS 97-24-5	1-2 %

## 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

**Extinguishing Media:** None, Product will not burn

**Special Fire Fighting procedures:** None

**Unusual Fire & Explosion Hazards:** None

## 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 CONTRAL/ 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
Color	Viscous liquid, any Color Shade
Solid	70 ± 5% by weight
Specific Gravity	1.40 ± 0.06 gm/cc
Service Temperature	5°C - 40°C
Recommended DFT	200 – 225 microns (2 coats)
Tensile strength	1.8 ± 0.3 N / mm <sup>2</sup>
Elongation	250 ± 20 %
Crack Bridging Ability	2 mm
Thinning Agent	Water
Water permeability of coating	< 0.1 kg / m <sup>2</sup>
UV Resistance	Excellent Resistance

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Temperatures below 0°C and above 50 °C.

**Incompatibility/Materials to avoid:** Oxidising agents, strong acids, alkalis, Halogens.

**Hazardous Decomposition Products:** Thermal decomposition - Sulphur compounds.

**Hazardous Polymerisation:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**The following toxicological assessment is based on knowledge of the toxicity of the product's components. Oral LD50, rat >5g/kg**

### Health Effects

**On Eyes:** May cause transient irritation.

**On Skin:** Unlikely to cause harm on brief or occasional contact.

**By Inhalation:** Low volatility makes inhalation unlikely at ambient temperatures.

**By Ingestion:** Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

**Chronic:** None known.

## 12. ECOLOGICAL INFORMATION

**Environmental Assessment:** When used and disposed of as intended, no adverse environmental effects are foreseen.

**Mobility:** Mobile liquid. Soluble in water.

**Persistence and Degradability:** Expected to be not readily biodegradable.

**Bio-accumulative Potential:** Not expected to be bio-accumulative.

**Ecotoxicity:** Expected to be ecotoxic to fish/daphnia/algae

### 13. REGULATORY INFORMATION

**Risk Phrase:** N/A  
**Safety Phrase:** N/A  
**Poisons Schedule:** N/A  
**Hazard Category:** None  
**Classification:** Non-hazardous

### 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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