

1. PRODUCT & COMPANY IDENTIFICATION

- **Product Detail:**

Product name: RUST-BLOCK

Physical form: Liquid

Odour: Solvent-like

Colour: Black, Red, Green, Blue, Yellow and Custom Colors

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 % |
|---|------------|--------|
| Xylene | 1330-20-7 | <50 % |
| Ethylbenzene | | <7 % |
| Solvent naphtha (Petroleum), light aromatic | 64742-95-6 | <10 % |
| Trizinc bis (Orthophosphate) | 7779-90-0 | <2.5 % |
| 2-butanone oxime | 96-29-7 | <1 % |

4. FIRST-AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and get medical attention immediately.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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 |
|-----------------------|---|
| Nature | Single Pack System (No Mixing) |
| Colour | Black, Red, green, Blue, yellow and custom colors |
| Application time | 25-30 minutes at 30°C |
| Curing time (at 30°C) | Surface dry - 25-30 minutes Hard dry - 9 -10 hours Complete curing - 3 days |
| Recoat ability time | 4 to 5 hours at 30°C |

| | |
|---------------------|-------------------------------|
| Finish | Smooth and Shine |
| UV Resistance | No Chalking, No Colour change |
| Corrosion Resistant | 550 hours |
| Humidity Resistant | 530 hours |
| Dry Film Thickness | 25-50 microns |

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions

Incompatibility (material to be avoid): Oxidising agents, Strong Acids, Alkalis, Halogens.

Conditions to be avoid: High temperatures.

Dangerous reactions: None known.

Dangerous products of decomposition: None known.

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

Toxicity

Aquatic 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.

13. DISPOSAL CONSIDERATION

Incinerate or landfill according to local regulations.

14. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation - Substances of very high concern

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed. Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not applicable.

Other EU regulations

Seveso category: This product is controlled under the Seveso III Directive.

Seveso category

P5c: Flammable liquids 2 and 3 not falling under P5a or P5b

E2: Hazardous to the aquatic environment - Chronic 2

C6: Flammable (R10)

C9ii: Toxic for the environment

Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

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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