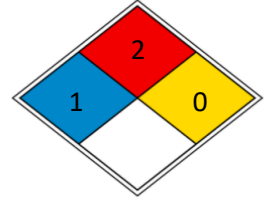




MATERIAL SAFETY DATA SHEET



PRODUCT : LUXOL PU ENAMEL

1. PRODUCT AND COMPANY IDENTIFICATION :

Product Name & Description : LUXOL PU ENAMEL
Trade Name : LUXOL PU ENAMEL
Supplier : Berger Paints India Ltd.
"Berger House"
129, Park Street
Kolkata – 700 017

Emergency Telephone Number : 1800-103-6030

Email Id : customerfeedback@bergerindia.com
Company Contact Number : + 91 33 2229 9724/25/26/27
Fax No : + 91 33 2249 9009

2. HAZARD IDENTIFICATION:

Flammable (IMCO Class 3) : Harmful, if inhaled. May cause dizziness, headache, nausea, respiratory irritation, nose irritation, throat irritation, eye irritation, skin irritation.

NFPA Hazard Signals:

- Health : 1
- Flammability : 2
- Reactivity : 0

Signal word : Flammable, keep out of reach of children

Hazard statements : Can cause significant hazard

Precautionary statements



Issue Date: 06.01.2022

Revision Date: NIL



3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Identification of the preparation: Solvent based synthetic topcoat

Components:

NAME	CAS NO.	APPROX. WT. (%)
Air Drying Alkyd Resin	Not applicable	55.0 - 65.0
Titanium Dioxide	13463-67-7	0.1 - 22.0
Phthalocyanine Blue	147-14-8	0.1 - 2.0
Phthalocyanine Green	1328-53-6	0.1 - 3.5
Carbon Black	1333-86-4	0.1 - 2.0
Toluidine Red	2425-85-6	0.1 - 6.0
Iron Oxide Yellow	51274-00-1	1.0 - 4.0
Iron Oxide Red	1309-37-1	5.0 - 7.0
Organic Yellow	6358-31-2	0.5 - 7.50
White Spirit	64742-88-7	30.0 - 35.0
DRIERS :		
Cobalt	7440-48-4	0.01 - 0.05
Zinc	7440-66-6	0.05 - 0.05
Calcium	7440-70-2	0.01 - 0.05
Zirconium	7447-67-7	0.01 - 0.05

4. FIRST AID MEASURES:

General: In all cases of doubt or when symptoms persist, seek immediate medication.

Eye: Flush immediately with plenty of water for at least 5 minutes and to get medical attention.

Skin: Remove all contaminated clothing / shoes and wash affected skin with soap and water. Wash clothing before reuse and destroy contaminated shoes.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Issue Date: 06.01.2022

Revision Date: NIL



Ingestion: If swallowed, induce vomiting. Give large quantities of water or several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE FIGHTING MEASURES :

- Extinguishing Media : Carbon dioxide, dry chemical, foam and / or water fog.
- Special Procedures : Fire fighters must wear self-contained breathing Apparatus or air masks.
- Containers exposed to fire should be kept cool with water spray.

6. ACCIDENTAL RELEASE MEASURES :

Steps to be taken if Material is Released or Spilled:

Recover spilled material if possible. If unable to recover, then proceed with appropriate cleanup methods. Absorb with materials such as: Clay. Sand. Sawdust. Vermiculite. Collect in suitable and properly labeled containers. Water may be used for final cleaning of affected area. Washed water should be disposed of in accordance with local regulations.

Personal Precautions: Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See section 12 Ecological information

7. HANDLING AND STORAGE:

Handling: Keep away from heat and sources of ignition and in no smoking area. Take precautions against electric charges. It is recommended to wear antistatic clothes including shoes. Use only non-sparking tools. Product should be handled in accordance with good industrial safety procedures.

Storage: Keep in cool, well ventilated place. Take precautionary measures against static discharges. Store away from direct sunlight and sources of heat. Storage must comply with the local regulations and should be labeled for proper identification. Do not allow smoking in the areas and keep containers devoid of leakages.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Personal Protection:

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection: Impervious gloves, preferably PVC make. Evaluate the resistance of the product under conditions of use.

Issue Date: 06.01.2022

Revision Date: NIL



Eye Protection: Wear approved safety glasses or chemical goggles or a face shield. Have an emergency eyewash station readily available in the working area.

Skin & Body Protection: Impervious gloves, preferably PVC make, coveralls, boots, and/or other resistant protective clothing. Have a safety shower/ eye wash fountain readily available in the immediate work area.

Other Protective Measures: Remove contaminated clothing immediately. Keep contaminated clothing in closed containers. Discard or launder before re-wearing. Inform laundry personnel of contaminated hazards.

Hygiene measures: Do not eat, drink or smoke in workplace. Wash hands before eating.

Engineering Controls:

Ventilation: Provide local and general exhaust ventilation to effectively remove and prevent vapors and mists generated from the handling of this product. Care should be taken in controlling the emission of fumes into the environment. Ensure that eyewash stations and safety showers are proximal to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES:

- **Appearance/Form** : Smooth and uniform liquid
- **Colour** : As per Shade Card
- **Boiling Point** : 160 - 230°C.
- **Solubility in water** : Insoluble in Water
- **Flash Point** : Above 30°C
- **Specific Gravity** : 0.90 -1.15
- **Vapor Density** : Heavier than air

10. STABILITY AND REACTIVITY:

- **Stability Indicator** : Yes
- **Stability condition to avoid** : Do not freeze
- **Hazardous decomposition products** : None under normal use. Thermal decomposition may leave residues of metal oxides and emits fumes of carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION:

Product not tested for the above information, but is classified by conventional method.

Issue Date: 06.01.2022

Revision Date: NIL

**Indications:**

Exposure to component solvent vapor concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation. May include headache, dizziness, fatigue, etc. The liquid splashed in the eye may cause irritation.

12. ECOLOGICAL INFORMATION:

No experimental data of the product available but can be classified by conventional method. Do not allow material to be released to the environment (ground, air or water Bodies, River, sewerages).

13. DISPOSAL CONSIDERATION:

Recommendations: To dispose by burning (Controlled incineration is recommended), in compliance with local regulations. Empty container can be disposed off as scrap material recycled.

14. TRANSPORT INFORMATION:

◆ UN-No	:	1263
◆ Marine pollutant	:	Yes
◆ Shipping name	:	Paint (Synthetic Enamel)
◆ Packing Group	:	III
◆ ADR	:	Class 3
◆ IMO / IMDG	:	Class 3
◆ ICAO/IADA	:	Class 3
◆ EMS	:	F-E, S-E

15. REGULATORY INFORMATION:

Product is classified in accordance with EEC Regulations-Dir.91/326/EEC commission Dir. Of 5.3.91 adapting to technical progress 13th time council Dir.67/548/EEC relating to the classification, packing and labeling of dangerous goods. OJ no L 180, 8.7.91, p79; OJ no L 180A.

As per EPCRA Classification:

SARA 313: Contains chemical component with known CAS nos less than De minimus limit

Labeling:**R-Phrase (s):**

R10 Flammable

R20 Harmful by inhalation

R36/38 Irritating to eyes & skin.

Issue Date: 06.01.2022

Revision Date: NIL



S-Phrase (s):

S2 Keep out of reach of children

S13 Keep away from food, drink & animal feeding stuffs.

S24/25 Avoid contact with skin & eyes.

S26 In case of contact with eyes, rinse immediately with plenty water and seek medical advice.

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well ventilated areas.

S16 Keep away from source of ignition, no smoking.

Symbol(s):



FLAMMABLE



HARMFUL



16. DISCLAIMER

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.