



MATERIAL SAFETY DATA SHEET

PRODUCT : BUTTERFLY GP SYNTHETIC ENAMEL

1. PRODUCT AND COMPANY IDENTIFICATION :

Product Name & Description : BUTTERFLY GP SYNTHETIC ENAMEL
Trade Name : BUTTERFLY GP SYNTHETIC ENAMEL
Supplier Supplier : Berger Paints India Ltd.
"Berger House"
129, Park Street
Kolkata - 700 017

Emergency Telephone Number : + 91 33 2229 9724/25/26/27
Fax No : + 91 33 2249 9009

2. COMPOSITION AND INFORMATION ON INGREDIENTS :

Identification of the preparation : Solvent based synthetic enamel

Components :

NAME	CAS NO.	APPROX. WT. (%)
Air Drying Alkyd Resin	Not applicable	55.0 - 65.0
Titanium Dioxide	13463-67-7	0.1-14.0
Phthalocyanine blue (α)	147-14-8	0.1 - 4.0
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 - 3.0
Rubine Toner	5281-05-9	0.01 - 2.0
Iron oxide yellow	51274-00-1	0.01 - 1.50
Organic Yellow	6358-31-2	0.1 - 10%
Com : White Spirit Chem : Mineral Terpentine Oil	64742-88-7	30.0 - 35.0
DRIERS :		
Cobalt	7440-48-4	0.01 - 0.05
Zinc	7440-66-6	0.05 - 0.15 %
Calcium	7440-70-2	0.01 - 0.05 %
Zirconium	7447-67-7	0.01 - 0.05 %



3. HAZARD IDENTIFICATION:

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

NEPA Hazard Signals :

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

4. FIRST AID MEASURES :

General : In all cases of doubt or fatality 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.

Swallowing : If swallowed, do not 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.

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** : All shades
- **Boiling Point** : 160 - 230°C.
- **Solubility in water** : Insoluble in Water
- **Flash Point** : 38°C
- **Specific Gravity** : 0.90 -1.06
- **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.

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 13 th 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.

Labeling:

R-Phrase (s):

R10 Flammable

R20 Harmful by inhalation

R36/38 Irritating to eyes & skin.

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**

The information contained in this Material Safety Data Sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application of results to be obtained for them. It is upto the user to ensure that the information contained in the Material Safety Data Sheet is relevant to the product handled to him. Berger Paints India Ltd. makes no warranties expressed or implied, in respect of the adequacy of this document for any particular purpose.