



# MASTER SYNTHETIC ENAMEL

## Material Safety Data Sheet

Master Superior Synthetic Enamel is fabulous class synthetic enamel having no comparison in quality. It provides a tough smooth film which is washable and offers high resistant to mechanical area.

**Research and Development Department**

**Master Paint Industries (Pvt) Ltd. 14 Egerton Raod,**

**Phone : 0 4 2 – 111 -333 – 465,**

**E-Mail : [info@masterpaints.com](mailto:info@masterpaints.com)**

01-Jan-2020



## MASTER'S Synthetic Enamel Technical Data Sheet

### PRODUCT INFORMATION

**Description:** Master Superior Synthetic Enamel is fabulous class synthetic enamel having no comparison in quality. It provides a tough smooth film which is washable and offers high resistant to mechanical area. The composition of this paint is based on high quality long oil alkyd resin and long-lasting pigments

**Recommended Use:** It is suitable for all types of interior and exterior wood, metal and cements surfaces.

### PHYSICAL CONSTANTS:

**Pack Size:** 0.91 LTR ,3.64 LTR & 14.56 LTR (Tin Pack)  
**Finish:** Gloss  
**VOC Content:** Less Than 150g/LTR  
**Viscosity @ 30C<sup>0</sup>** KU 80 Vary from Color to Color  
**Ph Value @ 25C<sup>0</sup>** 8.90  
**Theoretical Spreading rate :** 14 to 17Sqrmtlr/liter/coat (25±5-microns)  
**Flash Point :** 35<sup>0</sup>  
**Drying time:** 12 -Hours Between coats

Physical constants are subject to normal manufacturing tolerances

### APPLICATION DETAIL :

**Application Method :** Brush, Roller or Spray  
**Thinner :** White Spirits or Turpentine Oil  
**Thinning :** By Roller or Brush 10 – 15%& By Spray 25%  
**No. of Coats :** 2 to 3 Coats  
**Cleaning :** Clean all equipment with turpentine.

### TYPICAL SURFACES:

**New Surfaces:** Surface must be clean, dry and free from efflorescent salts. Prime with Master Primer,

**Previously painted surfaces:** Thoroughly clean surface Remove all defective or poorly adhering material by rubbing down using a suitable abrasive paper and dust off. Prime with Master Primer,



Use obrasive  
paper



Dust off



Seal a coat  
with primer

# MASTER'S Synthetic Enamel MSDS

## SAFETY DATA SHEET

Edition 01-01 – 2020

|   |   |
|---|---|
| <b>Company</b><br><b>Master Paints Industries (Pvt)Ltd</b>  | <b>Commercial product name</b><br><b>Master Synthetic Enamel</b>                        |
| <b>Research and Development Department</b><br><b>Master Paint Industries (Pvt) Ltd 14 Egerton Road, Lahore.Pakistan.</b><br><b>Phone : 0 4 2 – 111 -333 – 465,</b><br><b>E-Mail : info@masterpaints.com</b> | It is suitable for all types of interior and exterior wood, metal and cements surfaces. |
|   | <b>Responsible person</b><br>Date<br>01-01-2020   |

### 1. CLASSIFICATION / LABELLING

|   |   |
|---|---|
| <b>Symbols</b><br><br>HARMFUL XI                  FLAMMABLE X | <b>R- phrases</b><br>Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes. May cause sensitization by skin contact.<br><br><b>S-phrases</b><br><b>KEEP OUT OF REACH OF CHILDREN</b><br>In case of insufficient ventilation, wear suitable respiratory equipment. During spraying wear suitable respiratory equipment. In confined spaces use compressed air or fresh air respiratory equipment. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable gloves and eye/face protection. |
|---|---|

### 2. TRANSPORT CLASSIFICATION

|            |                          |              |           |
|------------|--------------------------|--------------|-----------|
| UN<br>1263 | IMDG<br>C1.3.3 Page 3149 | ADR/RID<br>- | ICAO/IATA |
|------------|--------------------------|--------------|-----------|

### 3. COMPOSITION

| COMPOUND LIABLE TO LABELLING:               | Weight % |     |      |       |       |     | Hazard Class | T.L.V. |
|---|----------|-----|------|-------|-------|-----|--------------|--------|
|   | 0-1      | 1-5 | 5-10 | 10-30 | 30-60 | >60 |              |        |
| White Spirit                                |          |     |      | X     |       |     | Xi           | 100ppm |
| OTHER COMPOUNDS:<br>Alkyd resin             |          |     |      |       | X     |     |              |        |
| Pigments and extenders.<br>Other components |          | X   |      | X     |       |     |              |        |

**4. PHYSICAL DATA**

|   |   |                         |                                  |
|---|---|-------------------------|----------------------------------|
| Colour / Smell -White and Standard colours  |   |                         |                                  |
| Physical State / • Solid (Lumps, Road) • Powder • Paste <b>X</b> Liquid • Gas • Aerosol       |   |                         |                                  |
| Consistency   |   |                         |                                  |
| Vapour ( °C)  | Solubility in water 20°C: • Not Soluble <input type="checkbox"/> Partly Soluble • Soluble |                         |                                  |
| Pressure mmHg kPa   | <b>X</b> Soluble in Organic Solvents  |                         |                                  |
| S.G. of vapour (air = 1)  | Density ( °C)<br>1.0-1.18kg/m <sup>3</sup>  | Viscosity<br>80 – 90 KU | pH (Cons.) :<br>pH ( % ) :       |
| Melting Point/Range   | Boiling point/°C<br>Range 150-218   | Other data              |                                  |
| Explosion limits<br>1-15.7 Vol %  | Ignition temperature<br>240 °C  | Flash point<br>40°C     | Method • Not Known<br>• Open Cup |
| Self-Life of product is 03 year (Keep In shade) (Minimum requirement from PSQCA is 02 years.) |   |                         |                                  |

**5. HEALTH HAZARDS**

|             |   |
|-------------|---|
| GENERAL:    | During application the solvent in the product will evaporate and pollute the working atmosphere. If the Ventilation is inadequate; the vapor concentration may exceed the safety level (TLV). The spray mist represents a special risk, since it contains all the raw materials in the product. |
| INHALATION: | Acute effects are dizziness, anesthesia, intoxication and possible loss of consciousness. Prolonged and repeated exposure may adversely affect liver, kidneys and the central nervous system. The vapor irritates the mucous membranes in the air tract and throat.                             |
| SKIN :      | The liquid may cause mild to serious irritation depending upon the duration of the exposure. Repeated long term contact will cause drying and cracking of the skin and risk of eczema.  |
| EYES :      | The vapor and liquid irritate the eyes. Splashes or high vapor concentration may cause damage.  |

**6. FLAMMABILITY AND DANGER OF EXPLOSION**

|  |  |
|--|--|
| The vapor is heavier than air and will spread above the ground. The vapors may cause an explosive gas / air mixture. |  |
| Type of Extinguishing Agent: foam spray, sand etc. (Not water).  |  |

**7. PRECAUTIONS**

|                                   |   |
|-----------------------------------|---|
| Personal Safety                   | : Impervious gloves and goggles. Eye flushing facilities. Industrial  |
| Equipment                         | : Protectors for use against harmful gases, compressed air mask etc. Further information is given in national personal safety equipment standards.  |
| Safety Precautions during Use     | : Ensure good ventilation. Consider the need for personal safety equipment. Use compressed air mask if working in areas with poor ventilation (tanks etc.) Do not smoke or use open fire or other ignition source. Take precautionary measures against static discharges. |
| Safety Precautions during Storage | : The product must be stored in accordance with national regulations. The Product should be kept cool and stored in well-ventilated rooms, protected against heat and direct sunlight. Containers must be stored tightly closed.  |

## 8. FIRST AID

|            |  |
|------------|--|
| Inhalation | : Remove the person from the source of exposure immediately. Keep patient warm and ensure plenty of fresh air. If patient's condition is serious, get medical aid.         |
| Ingestion  | : Do not induce vomiting. If patient vomits, turn over on to face. Get medical aid.  |
| Skin       | : Wash thoroughly with soap and water. Remove contaminated clothing.   |
| Eyes       | : Wash out with clean water for at least 15 minutes. If serious, arrange transport to eye specialist, and possible other medical aid. Keep flushing eyes during transport. |

## 9. INFORMATION FOR MEDICAL PERSONNEL

Health Control

## 10. WHAT TO DO IN CASE OF SPILLAGE OR LEAKAGE.

|  |  |
|--|--|
| Destruction and removal of spill       | : Accidental spillages should be absorbed into sand, earth or saw-dust. Waste in smaller amounts may be destroyed by burning under supervision. Greater amounts must be brought to controlled landfill etc. in accordance with national regulations. |
| Contamination of Water (Supply) fields | : Do not empty into drains. Harmful to organisms in water. Spillage on roads and fields : Remove ignition sources. Danger of ignition and explosion. Avoid spreading and absorb with sand, earth etc. Avoid entry into drains etc.                   |

===== -OTHER INFORMATION =====

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE. IT IS TRUE & ACCURATE TO THE BEST OF OUR KNOWLEDGE, BUT IS NOT INTENDED TO BE ALL INCLUSIVE. USERS SHOULD CONSIDER THIS INFORMATION AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & MUST MAKE THEIR OWN DETERMINATION OF SUITABILITY & COMPLETENESS TO ASSURE PROPER USE & DISPOSAL.

===== END OF THE REPORT =====

