# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Code</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Of Issue</td>
<td>08/01/2012</td>
</tr>
<tr>
<td>FORMULA</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Chemical Name Or Synonyms</td>
<td>AQUEOUS EMULSION BASED COATING</td>
</tr>
</tbody>
</table>

**IDENTITY** : SILK ILLUSIONS DESIGN METALLICA  
**MATERIAL** : WATER BASED COATING FORMULATION

**MANUFACTURER’S NAME** : BERGER PAINTS INDIA LIMITED

**ADDRESS (NUMBER, STREET, CITY, STATE, PIN)** :

<table>
<thead>
<tr>
<th>FACTORY</th>
<th>TELEPHONE No</th>
</tr>
</thead>
</table>
| 14 & 15 SWARNAMOYEE ROAD  
P.O. BOTANIC GARDEN,  
Howrah - 711103 | +91-33-2668-4706 - 09 |

<table>
<thead>
<tr>
<th>H.O.</th>
<th>TELEPHONE No</th>
</tr>
</thead>
</table>
| BERGER HOUSE  
129 PARK STREET  
Kolkata - 700 017 | +91-33-2229-9724 - 29 |

**PREPARED ON** : 08/01/2012
2. **COMPOSITIONAL INFORMATION**:

<table>
<thead>
<tr>
<th>CAS REG. NO.</th>
<th>APPROX. WT. %</th>
<th>TWA/TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer</td>
<td>Not applicable</td>
<td>40 Max.</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>10 Max.</td>
<td>5</td>
</tr>
<tr>
<td>Inorganic Filler (IF)</td>
<td>Mixture</td>
<td>30 Max.</td>
</tr>
<tr>
<td>Ethylene Glycol (EG)</td>
<td>107-21-1</td>
<td>25 Max.</td>
</tr>
<tr>
<td>Texanol Ester Alcohol</td>
<td>25265-77-4</td>
<td>2 Max.</td>
</tr>
<tr>
<td>Preservatives</td>
<td>330-54-1</td>
<td>5 Max.</td>
</tr>
<tr>
<td>10605-21-7</td>
<td>26530-20-1</td>
<td></td>
</tr>
</tbody>
</table>

3. **HAZARD INFORMATION**

**EFFECT OF OVER EXPOSURE**

- **Inhalation**: Vapor or mist can irritate the nose, throat and lungs and cause headache & nausea.
- **Skin Contact**: Irritating to skin upon repeated or prolonged contact.
- **Eye Contact**: Moderately irritating to eyes.
4. **First-Aid Measures**

- **Inhalation**: Move subject to fresh air.
- **Eye & Skin Contact**: Flush eyes with a large amount of water for at least 15 minutes. See a physician, if irritation persists. Wash affected skin areas with soap and water.
- **Ingestion**: If swallowed, dilute by giving two glasses of water or drink. See a physician. Never give anything by mouth to an unconscious person.

5. **Fire Hazard Information**

- **Flash Point**: Non-combustible
- **Auto Ignition Point**: Not applicable
- **Lower Explosion Limit (%)**: Not applicable.
- **Upper Explosion Limit (%)**: Not applicable
- **Unusual Fire & Explosion Hazards**: Material can splatter above 212°F. Polymer film can burn.

6. **Accidental Release Measure**

- **Steps to be taken in case material is released or spilled**

  Keep spectators away. Floor may be slippery, use care to avoid falling. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning run-offs out of municipal sewers and open bodies of water.

5.0. **Physical Property / Chemical Property Information**
7. **Storage and Handling Information**

- **Storage Temperature**: Max. 60°C/140°F  
  Min. 10°C/34°F
- **Precautionary Labeling**: Keep from freezing — product may coagulate.

8. **Exposure Controls / Personal Protection**

- **Ventilation Type**: Mechanical, local exhaust ventilation at point of contaminated release.
- **Respiratory Protection**: Wear suitable respirator where exposure limits are exceeded.
- **Protective Gloves**: Thin rubber gloves
- **Eye Protection**: Chemical Splash goggles.

9. **Physical Property / Chemical Property Information**

- **Appearance**: Viscous liquid
- **Odour**: Mild odour
- **pH**: 8.5 – 9.0
- **Viscosity**: Variable
- **Melting or Freezing Point**: Variable
- **Boiling Point**: Variable
- **Vapour Pressure (mm HG)**: Greater than 17 @ 60°F
- **Vapour Density (Air – 1)**: Greater than 1
- **Solubility in Water**: Diluteable
- **% Volatile (by Wt.)**: 60 Max.
- **Specific Gravity (Water – 1)**: Greater than 1
- **Evaporation Rate**: Greater than 1 (Butyl Acetate = 1)
10. **Stability and Reactivity**

- **Stability**: Stable

- **Conditions to Avoid**: Temperature above 150°C

- **Hazardous Decomposition Products**: Not applicable

- **Hazardous Polymerization**: May occur

- **Incompatibility**: Not applicable (Materials to avoid)

11. **Toxicological Information**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- **Ingestion**: no adverse effects expected, however, large amounts may cause nausea and vomiting

- **Eye contact**: may be eye irritant

- **Skin contact**: may cause skin irritation

- **Inhalation**: where this material is used in a poorly ventilated area, at elevated temperatures or in confined spaces, vapour may cause irritation to mucous membranes of respiratory tract, headache and nausea.

- **Long term effects**: no information available

- **Toxicological Data**: no LD50 data is available for this product

12. **Ecological Information**

- **Ecotoxicity**: avoid contaminating waterways

13. **Waste Disposal Method**

Incinerate the liquid and the contaminated diking material at permitted facility according to local, state and Federal regulations.
14. **TRANSPORT INFORMATION**

**Road and Rail Transport**
Not classified as Dangerous Goods by the criteria of the Central Motor Vehicles Rules 1989 as amended thereafter for transport by Road and Rail: NON-DANGEROUS GOODS.

**Marine Transport**
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

**Air Transport**
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. **REGULATORY INFORMATION**

**Classification:** The product requires a hazard-warning label.

- EC supply labeling
- S2 - keep out of the reach of the children
- S26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S46 - if swallowed, seek immediate medical advice.

**Poisons Schedule:** None allocated.

16. **OTHER INFORMATION**

Titanium dioxide and inorganic filler when formulated, as above, do not pose dust hazards unless sanding or grinding of the dry coating takes place.

The information contained in the Material Safety Data Sheet is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Recipients were advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances.