

Manufacturers MSDS Reference ID Number: RDGA\_SO200M

### Section 1: Product and Company Identification

**Product Name:** ESM-MBF

**Chemical Name:** Matte Backlit Film

**Formula:**

Coated polyester.

**Product Use:**

Design for printing with eco-solvent ink.

**Supplier Information:**

**Supplier Name:** Roland DGA Corporation

**Supplier Phone Number:** 949-727-2100

**Address:** 15363 Barranca Parkway, Irvine, CA 92618

**Emergency Contact Information:** Same as above

### Section 2. Composition / Information on Ingredients

This product is coated ink receptive layer onto base polyethylene terephthalate film.

Chemical Name	CAS Number	%wt/wt
Polyethylene Terephthalate	25038-59-9	70-80
Polymer with Chloroethylene and Vinyl Acetate	9005-09-8	4-8
Titanium Dioxide	13463-67-7	3-6
Silica	7631-86-9	2-4
Additives	.	1-2

### Section 3. Hazards Identification

**HIMS Ratings (scale 0~4):**

Health 1 Flammability 1 Reactivity 0

**Potential Health Effects**

**Skin Contact:**

Temporary irritation may occur.

**Eye Contact:**

Solid or dusts may causes several eye irritations with redness and pain.

**Inhalation:**

Inhalation of this product is unlikely. However, cause irritation to the nose and throat.

**Ingestion:**

Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

### Section 4. First Aid Measures

**Eye contact:**

Wash exposed eye with soap and water.

**Skin Contact:**

Wash exposed skin with soap and water.

**Inhalation:**

If inhaled, Remove to fresh air.

**Ingestion:**

This product is not intended to be ingested or eaten. If this product is ingested, severe irritation of the Gastrointestinal (GI) tract may occur, and should be treated symptomatically. Seek medical attention.

### Section 5. Fire Fighting Measures

**Flash Point / Method:** Not applicable

**NFPA Rating (Scale 0~4):**

Health 1 Flammability 1 Reactivity 0

**Flammable limits in Air:** LEL/ UEL No data available

**Autoignition temperature:** Not applicable

**Explosion:**

Not Applicable

**Fire Extinguishing Media:**

In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.

**Special Information:**

No special procedures are expected to be necessary for this product.

### Section 6. Accidental Release Measures

**Spill or leak Procedures:**

This product is non-hazardous. Clean up of spills requires no special equipment or procedures.

### Section 7. Handling and Storage

**Handling:**

Use protective equipment as described in Section of this safety data sheet when handling uncontained material. Handle in accordance with good industrial hygiene and safety practices.

**Storage:**

Warehouse storage should be in accordance with package directions, if any. Product should be kept clean, dry, and original package.

**Packing:**

Suggested roll and sheet.

### Section 8. Exposure Controls/Personal Protection

**Ventilation:**

No special ventilation systems are required under normal conditions of use.

**Respiratory Protection:**

For most conditions, no respiratory protection should be needed. However, in dusty atmospheres, use an approved dust respirator.

**Skin Protection:**

Any glove may be used for protection from mechanical irritation.

**Eye Protection:**

Use safety glasses.

### Section 9. Physical and Chemical Properties

**Appearance:** Glossy sheet

**Melting Point:** Not applicable

**Boiling Point:** Not applicable

**Vapor Pressure:** Not applicable

**Vapor Density:** Not applicable

**Solubility in Water:** Insoluble

**pH:** Not applicable

**Specific Gravity:** 1.30-1.40g/cm<sup>3</sup>

**Odor:** Odorless

**Evaporation Rate:** Not applicable

### Section 10. Stability and Reactivity

**Stability:**

Stable under ordinary conditions of use and storage.

**Conditions to Avoid:**

Avoid heat, sparks, flames, Elevated high temperature and other sources of ignition.

**Materials to Avoid:**

Isolate from strong oxidizers such as permanganates, chromates peroxides and water.

**Incompatibilities:**

None known.

**Hazardous Decomposition Products:**

Carbon Monoxide and carbon dioxide may form when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

### Section 11. Toxicological Information

**Acute Toxicity****Inhalation:**

Not relevant information found.

**Skin:**

Not relevant information found.

**Eye:**

Not relevant information found.

**Ingestion:**

Not relevant information found.

**Chronic Toxicity**

Not relevant information found.

**Toxicity Data**

Not applicable. This product is not toxic.

**Subchronic Hazard /Conditions Aggravated****Conditions Aggravated:**

None known

**Cancer, Reproductive and Other Chronic Hazard:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGUH, as of this date, greater or equal to 0.1%

### Section 12. Ecological Information

**Environmental Fate:**

Not applicable. This product is not toxic.

**Environmental Toxicity:**

Not applicable. This product is not toxic.

### Section 13. Disposal Considerations

**Incinerate dispose of in accordance with Federal, state or Local regulations**

### Section 14. Transport Information

**International Information:****Sea (IMO/IMDG)**

Shipping Name Not applicable

**Air (ICAO/IATA)**

Shipping Name Not applicable

**European Road / Rail (ADR/RID)**

Shipping Name Not applicable

**Canadian Transportation of Dangerous Goods**

Shipping Name Not applicable

**Section 15. Regulatory Information****CERCLA(40 CFR 117, 302):**

This product is not regulated.

**Sara Title III Section 302 Extremely Hazardous Substances (40 CFR 355):**

This product is not regulated.

**Sara Title III Section 311/312 Extremely Hazardous Substances (40 CFR 370):**

Acute: No Chronic: No Fire: No Pressure: No Reactivity: No

**Sara Title III Section 313 (40 CFR 372):**

Not applicable

**U.S. Inventory (TSCA):**

Not applicable

**OSHA Hazard Communication Standard:**

Not applicable

**EC Inventory (EINECS/ELINCS): No data available.**

**JAPAN Inventory (MITI):** No data available.

**AUSTRALIA Inventory (AICS):** No data available.

**KOREA Inventory (ECL):** No data available.

**CANADA Inventory (DSL):** No data available.

**PHILIPPINE Inventory (PICCS):** No data available.

**Section 16. Other Information**

The data in this MSDS was prepared for the ESM-GBF Glossy Backlit Film sheet.