

## Material Safety Data Sheet Glycerol Maleic Rosin Ester

### Section 1: Chemical Product and Company Identification

**Product Name** : Glycerol Maleic Rosin Ester  
**Chemical Formula** :  $(C_4H_2O_3 \cdot C_3H_8O_3)_x$   
**Company Identification** : Tradeasia International Pte Ltd  
**Email** : contact@chemtradeasia.com

### Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Glycerol Maleic Rosin Ester	94581-16-5	100

Toxicological Data on Ingredients: Not available.

### Section 3: Hazards Identification

**Potential Acute Health Effects:** Eyes: May cause mild eye irritant. Skin: May cause mild irritation with direct contact. Inhalation: May cause mild irritation to the respiratory system. Prolonged exposure to smoke or fumes generated by this product may cause respiratory irritation with throat discomfort, coughing or sensitization in susceptible individuals.

**Potential Chronic Health Effects:** Not available.

### Section 4: First Aid Measures

**Eye Contact:** Remove contact lenses, if present and easy to do. Continue rinsing, irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart. Do not rub affected area.

**Skin Contact:** Wash hands after handling and before eating. If skin irritation or rash occurs; get medical advice/attention. When exposed to molten or heated thermoplastic material, flush with cold water, do not attempt to remove product from the skin, seek medical attention if necessary.

**Serious Skin Contact:** Not available.

**Inhalation:** If existing respiratory/conditions are aggravated in your use of this product, get to well ventilated area. If conditions persist seek medical advice/attention.

**Serious Inhalation:** Not available

**Ingestion:** Obtain medical assistance immediately. Do not induce vomiting and never give anything by mouth to unconscious person. Rinse mouth with water (only if the person is conscious).

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** Not available

**Auto-Ignition Temperature:** Not available

**Flash Points:** Not available

**Flammable Limits:** Not available

**Products of Combustion:** Carbon Monoxide, Carbon Dioxide

**Fire Hazards in Presence of Various Substances:** Not available

**Explosion Hazards in Presence of Various Substances:** Not available

**Fire Fighting Media and Instructions:** Not available

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Allow material to solidify if molten. Collect material or scrape off surface.

**Large Spill:** Allow material to solidify if molten. Collect material or scrape off surface.

## Section 7: Handling and Storage

**Precautions:** Avoid the release and swirl of particles. Wash hands after use. Do NOT eat, drink, or smoke in work areas.

**Storage:** Store in a cool dry ,well-ventilated area. Do NOT store at temperatures above 120°F

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use in a well ventilated area. Avoid the release and swirl of particles. Wash hands after use. Do NOT eat, drink, or smoke in work areas.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves

**Personal Protection in Case of a Large Spill:** Eye Protection: Face Shield / Safety glasses or goggles when molten. Skin Protection: Wear heat protective gloves when molten. Wear long sleeve shirts, long pants, hard soled shoes. Respiratory Protection: Provide adequate ventilation. Use NIOSH/OSHA approved respiratory protection equipment in poorly ventilated areas.

**Exposure Limits:** Not available.

### Section 9: Physical and Chemical Properties

**Physical state and appearance** : Transparent Flakes

**Odor** : Alkyd Oil

**Taste** : Not available.

**Molecular Weight** : Not available.

**Color** : Not available.

**pH (1% soln./water)** : Not available.

**Boiling Point** : Not available.

**Melting Point** :  $\geq 200^{\circ}\text{F}$  ( $93^{\circ}\text{C}$ )

**Critical Temperature** : Not available.

**Specific Gravity** : 2.3 (Water = 1)

**Vapor Pressure** : Not applicable.

**Vapor Density** : Not available.

**Volatility** : Not available.

**Odor Threshold** : Not available.

**Water/Oil Dist. Coeff.** : Not available.

**Ionicity (in Water)** : Not available.

**Dispersion Properties** : Not available.

**Solubility** : Not available.

### Section 10: Stability and Reactivity Data

**Stability:** The product is stable at  $<475^{\circ}\text{F}$

**Instability Temperature:** Temperatures above  $500^{\circ}\text{F}$

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Should not be brought into contact with strong oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available

**Polymerization:** Not available.

### Section 11: Toxicological Information

**Routes of Entry:** Inhalation, Ingestion, Eye Contact

**Toxicity to Animals:** Not available.

**Chronic Effects on Humans:** Shall NOT be classified as acutely toxic. Inhalation: Overexposure may cause temporary respiratory irritation. Eye Contact: Particulates may cause irritation to the eyes. Skin Contact: Shall NOT be classified as a skin sensitizer. Ingestion: Shall NOT be classified as a specific target organ toxicant (STOT).

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

## Section 12: Ecological Information

**Ecotoxicity:** Not classified as hazardous to the aquatic environment.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** The products of degradation and the product itself are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14: Transport Information

**DOT Classification:** Not available

**Identification:** Not available.

**Special Provisions for Transport:** Not available.

## Section 15: Other Regulatory Information

**Federal and State Regulations:** Not available

**Other Regulations:** Not available

**Other Classifications:**

**WHMIS (Canada):** Not available.

**DSCL (EEC):** Not available

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

#### **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.