

## Projection Tube Coolant



**803**

Designed for use in electronic cooling applications as a replacement for heat transfer fluid in projection tubes.

### Available Sizes

Catalog Number	Sizes Available	Description
803-250ML	250ml (8 oz)	Liquid
803-500ML	500ml (16 oz)	Liquid



# Material Safety Data Sheet

## Section 1: Product Identification

**MSDS Code: 803 - liquid**                      **Name: Projection Tube Coolant**

**Related Part Numbers: 803-250ML; 803-500ML**

Use: For use in cooling projection tubes.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
107-21-1	1,2-ethanediol	65 – 80%	39.4ppm	N/e	100mg/m <sup>3</sup>
56-81-5	1,2,3-propanetriol	35 – 20%	10mg/m <sup>3</sup>	N/e	10mg/m <sup>3</sup>

## Section 3: Hazards Identification

**WHMIS Codes:** D2B

**NFPA Ratings:** Health 2 Flammability 0 Reactivity 1

**HMIS Ratings:** Health 2 Flammability 0 Reactivity 1

**Eyes:** May cause irritation, redness, and pain

**Skin:** May cause skin irritation.

**Inhalation:** Product may be mildly irritating to the nose, throat and respiratory tract and may cause coughing and sneezing.

**Ingestion:** Harmful if swallowed.

**Chronic:** This product may sensitize heart muscle causing cardiac arrhythmia, in rare cases.

## Section 4: First Aid Measure

**Eyes:** Remove contact lenses. Flush with water. Get medical aid if symptoms persist.

**Skin:** Remove contaminated clothing. Wash skin with soap and water. If irritation, redness, or a burning sensation develops and persists, obtain medical advice.

**Inhalation:** Immediately remove from exposure to fresh air. If breathing is difficult, give oxygen.

**Ingestion:** Do not attempt to give anything by mouth to an unconscious person. If victim is alert and not convulsing, rinse out mouth and give 1/2 to 1 glass of water to dilute material. DO NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid aspiration of vomit, rinse mouth and administer more water. IMMEDIATELY transport victim to an emergency facility.

### Section 5: Fire Fighting Measures

**Autoignition Temperature:** 396°C      **Flash Point:** 116°C      **LEL / UEL:** 3.2 / 15.3  
**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.  
**General Information:** Will burn if involved in a fire. Containers may explode in the heat of a fire. Spilled materials may cause floors and contact surfaces to become slippery.

### Section 6: Accidental Release Measures

**Spill Procedure:** Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Contact lenses should not be worn.  
**Storage:** Store in a cool, dry, well-ventilated area. Do not expose container to heat or flame.

### Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.  
**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.  
**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary. Wear gloves and protective clothing made from PVC, butyl rubber, natural rubber, vitron, or neoprene. Contact lenses should not be worn.

### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid	<b>Odor:</b>	Mild	<b>Solubility:</b>	Completely	<b>Evaporation Rate:</b>	0.01 (ether=1)
<b>Boiling Point:</b>	190°C	<b>Specific Gravity:</b>	1.12	<b>Vapor Pressure:</b>	>1 PSI @21°C	<b>Vapor Density:</b>	2.1(Air=1) <b>pH:</b> 10

### Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.  
**Conditions to avoid:** Temperatures over 40°C, ignition sources, and incompatible substances.  
**Incompatibilities:** Strong oxidizers, Lewis or mineral acids, materials reactive with hydroxyl bearing compounds, strong bases, isocyanates, aluminum and its alloys.  
**Polymerization:** Will not occur.  
**Decomposition:** Carbon monoxide, carbon dioxide, aldehydes, acids, and ketones.

## Section 15: Regulatory Information Cont.

### **TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

### **CAA** (Clean Air Act, USA)

This product does not contain any class 1-ozone depletors.

This product does not contain any class 2-ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

### **California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

### **Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

### **Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act.

This product does not contain any ozone depleting substances.

### **Industry and Science Canada**

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

### **RoHS** (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

## Section 16: Other Information

**Definitions:** N/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.