

# Cryoguard™ M-70 Thermal Indicator

## Material Safety Data Sheet

### Section 1.

#### Product Identification

Catalog #: M-70  
Name: Cryoguard™ M-70 thermal indicator  
Product Description: Cryoguard M-70 is a thermal exposure indicator comprised of two separate solutions inside a sealed, impact resistant plastic housing.

### Section 2.

#### Composition/Information on Materials

Chemical Composition: Indicator solutions are comprised of buffered mixtures of aqueous dyes (Bromocresol green and Methyl red), Ethylene Glycol and distilled water and have an approximate volume of 1 ml. per unit.

Indicator Casing: The indicator housing or casing is cylindrical in shape, made of polycarbonate plastic and is approximately 1" long by 0.5" in diameter.

### Section 3.

#### Hazards Identification

Label Precautionary Statements: None

### Section 4.

#### First-Aid Measures

In case of contact with indicator solutions for skin and eyes, wash or flush affected area with cold tap water until solutions are removed. If indicator solutions are inhaled, remove person to fresh air. If swallowed, wash out mouth with water and induce vomiting.

### Section 5.

#### Fire Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam.

Special Fire fighting Procedures: Wear protective clothing, respirator and gloves to prevent contact with skin, eyes and respiratory tract.

Unusual Fire and Explosions Hazards: None

### Section 6.

#### Accidental Release Measures

If indicator solutions are spilled, clean up with tap water and common household detergent. Clean-up materials should be disposed of as standard toxic waste.

### Section 7.

#### Handling and Storage

Refer to section 8.

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### **Section 8.**

#### **Exposure Controls/Personal Protection**

Wear appropriate protective clothing, insulated gloves, and safety goggles when viewing or handling frozen Cryoguard indicators. When allowing indicators to thaw, place them in covered container until completely thawed. Indicators may be stored frozen or at room temperature.

### **Section 9.**

#### **Physical and Chemical Properties**

Refer to Section 2.

### **Section 10.**

#### **Stability and Reactivity**

Stability:

Stable

Incompatibilities:

Protect from moisture; allow ventilation- do not seal indicators in any airtight container.

Hazardous Combustion or  
Decomposition Products:

Toxic fumes of carbon monoxide, carbon dioxide.

### **Section 11.**

#### **Toxicological Information**

Acute Effects:

Indicator solutions may be harmful if inhaled or swallowed. May be harmful if absorbed through skin. May cause eye and skin irritation, as well as irritation to mucous membranes and upper respiratory tract. Ingestion may cause gastrointestinal disturbances.

### **Section 12.**

#### **Ecological Information**

Data not yet available.

### **Section 13.**

#### **Disposal Considerations**

Dispose of unused, damaged or expired indicators as standard toxic waste. Observe all federal, state and local environmental regulations.

### **Section 14.**

#### **Transport Information**

Indicators may be transported by normal means of ground, sea or air freight.

### **Section 15.**

#### **Regulatory Information**

Review, Standards  
and Regulations:

FDA/CBER: 1997 Biological Device Approval  
number BK970010-0; Approval date: 08/26/97

### **Section 16.**

#### **Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Controlled Chemicals, Inc. shall not be held liable for any damage resulting from use of the above product. See manufacturer's direction sheet

("important notice" section) included with each order, for additional terms and conditions of sale of this product.

The **Cryoguard M-70™** thermal indicator is manufactured and distributed by:

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Please contact customer service at the above number(s) if you have any questions about the Cryoguard product line.