

# Cryoguard™ M-100 Thermal Exposure Indicator

## Material Safety Data Sheet

<b>Section 1.</b>	<b>Product Identification</b>
Catalog #:	M-100
Name:	Cryoguard™ M-100 thermal exposure indicator
Product Description:	Cryoguard M-100 is a thermal exposure indicator comprised of two separate solutions inside a sealed, impact resistant plastic housing.
<b>Section 2.</b>	<b>Composition/Information on Materials</b>
Chemical Composition:	Indicator solutions are comprised of buffered mixtures of aqueous dyes (Bromocresol green and Methyl red), Denatured Ethanol 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.
<b>Section 3.</b>	<b>Hazards Identification</b>
Label Precautionary Statements:	None
<b>Section 4.</b>	<b>First-Aid Measures</b>
	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.
<b>Section 5.</b>	<b>Fire Fighting Measures</b>
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
<b>Section 6.</b>	<b>Accidental Release Measures</b>
	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.
<b>Section 7.</b>	<b>Handling and Storage</b>
	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 a covered container until completely thawed. Unactivated 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. Cryoguard LLC 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-100** thermal exposure 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.