

# SAFETY DATA SHEET

## Liquid Crystal Temperature Indicating Strip

### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

#### 1.1 Product Identifier

**Product Name** Liquid Crystal Temperature Indicating Strip

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Description** Surface Temperature Indication

#### 1.3 Details of the supplier of the safety data sheet

**Company** LCR Hallcrest

**Address** 1911 Pickwick Lane  
Glenview, IL 60026  
USA

**Web** [www.hallcrest.com](http://www.hallcrest.com)

**Telephone** 847-998-8580

**Fax** 847-998-6866

**Email** [sales@hallcrest.com](mailto:sales@hallcrest.com)

**Emergency Phone Number** Chemtel Domestic: 800-255-3924  
Intl: +01-813-248-0585

### 2. HAZARDS IDENTIFICATION

#### 2.1 GHS Classification

No significant hazard

#### 2.2 GHS Label Elements

None

#### 2.3 Other hazards which do not result in classification

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Chemical Identity

Plastic substrate with adhesive backing

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures.

<b>Inhalation</b>	Not applicable
<b>Eye contact</b>	Not applicable
<b>Skin contact</b>	No irritation expected
<b>Ingestion</b>	May cause irritation of mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Not applicable
<b>Eye contact</b>	Not applicable
<b>Skin contact</b>	No irritation expected
<b>Ingestion</b>	No irritation expected

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Inhalation</b>	Not applicable
<b>Eye contact</b>	Not applicable
<b>Skin contact</b>	Not applicable
<b>Ingestion</b>	If you feel unwell, seek medical advice (show the label where possible)

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

### 5.2 Specific hazards arising, protective equipment and emergency procedures.

Burning produces irritating, toxic, and obnoxious fumes.

### 5.3 Advice for firefighters

Wear suitable respiratory equipment when necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

No specific clean up requirements

### 6.2 Environmental Precautions

No precautions required to be mentioned

### 6.3 Methods and material for containment and cleaning up

Sweep up

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

<b>Individual protection measures</b>	Not normally required.
<b>Eye/face protection</b>	Not applicable
<b>Skin protection – Hand protection</b>	Not applicable
<b>Respiratory protection</b>	Not applicable
<b>Environmental exposure controls</b>	Keep in a cool, dry, well ventilated area.

### 7.2 Conditions for safe storage, including incompatibilities.

Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Precautions for safe handling

<b>Individual protection measures</b>	Not normally required
<b>Eye/face protection</b>	Not applicable
<b>Skin protection – Hand protection</b>	Not applicable
<b>Respiratory protection</b>	Not applicable
<b>Environmental exposure controls</b>	Normally not required

### 8.2 Conditions for safe storage, including incompatibilities

Not applicable.

### 8.3 Individual protection measures

None Required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Precautions for safe handling

<b>Appearance</b>	Self Adhesive plastic strip.
<b>Colors</b>	Various colors according to type
<b>Odor</b>	None
<b>Odor threshold</b>	Does not apply
<b>pH</b>	Does not apply
<b>Melting Point/Freezing Point</b>	Does not apply
<b>Initial Boiling Point and Boiling Range</b>	Does not apply
<b>Flash Point</b>	Does not apply
<b>Evaporation rate</b>	Does not apply
<b>Flammability</b>	Not available
<b>Upper/Lower Flammability or Explosive Limits</b>	Not available
<b>Vapor Pressure</b>	Does not apply

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions

### 10.2 Chemical Stability

Stable under normal conditions

### 10.3 Hazardous decomposition products.

Decomposition does not occur under normal use conditions

## 11. TOXICOLOGICAL INFORMATION

### 11.1 – Health effects

**Acute Toxicity**

No test data available

**Skin corrosion/irritation**

Non-irritant : Primary Skin Irritation Test (Geneva Labs Proc No: CL1005L)

**Serious eye damage/irritation**

No test data available

**Respiratory or skin sensitization**

Non sensitizer – tested according to ANSI/AAMI/ISO 109333 (Geneva Labs Proc. No.: CL1005L)

**Germ cell mutagenicity**

No test data available

**Carcinogenicity**

No test data available

**Reproductive toxicity**

No test data available

**STOT-single exposure**

No test data available

**STOT-repeat exposure**

No test data available

**Aspiration hazard**

No test data available

### 11.2 - Likely routes to exposure

This product is applied to the skin. It gives off no fumes.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecological effects

**Toxicity**

No data available

**Persistence and Degradability**

No data available

**Bioaccumulative Potential**

No data available

**Mobility in Soil**

No data available

**Other Adverse Effects**

No data available

### 12.2 Further Information

No constituent has yet been assigned a risk phrase pertaining to the ecological effects (R50 to R59) or the symbol N.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with all local and national regulations. The U.S. Environmental Protection Agency (EPA) does not classify unused product as hazardous waste.

## 14. TRANSPORT INFORMATION

<b>UN Number</b>	None
<b>UN Proper Shipping Name</b>	Not Applicable
<b>Transport Hazard class(es)</b>	None
<b>Packing Group (if applicable)</b>	Not applicable
<b>Environmental Hazards</b>	No known environmental hazards
<b>Special Precautions for the User</b>	None
<b>DOT</b>	This product is not classified as dangerous for carriage
<b>IMDG</b>	This product is not classified as dangerous for carriage
<b>IATA</b>	This product is not classified as dangerous for carriage
<b>Further Information</b>	This product is not classified as dangerous for carriage

## 15. REGULATORY INFORMATION

<b>Further Information</b>	This product complies with ROHS legislation.
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## 16. OTHER INFORMATION

<b>HMIS Labeling</b>	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p> <p>HEALTH 0, FLAMMABILITY 0, PHYSICAL HAZARD 0.</p>
<b>Revision Information</b>	<p>Revision 4: Updated the document to include the revision date on the document. Revision 3: This document revision is a complete rewrite of the document to bring it into compliance with the new OSHA HAZARD Communication Standard 29 CFR 1910.1200.</p>