

## Safety Data Sheet Liquid Crystal Temperature Indicating Strip

### Section 1 – Identification of the substance or mixture and of the supplier

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|--|--|
| 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                           |
| 1.4 Details of the supplier of the safety data sheet                               |  |
| Company  | LCR Hallcrest  |
| Address  | 1911 Pickwick Lane<br>Glenview, IL 60026<br>USA          |
| Web  | <a href="http://www.hallcrest.com">www.hallcrest.com</a> |
| Telephone  | 847-998-8580   |
| Fax  | 847-998-6866   |
| Email  | sales@hallcrest.com                                      |
| Emergency Phone Number   | Chemtel Domestic: 800-255-3924<br>Intl: +01-813-248-0585 |

### Section 2: Hazards identification

|   |                        |
|---|------------------------|
| 2.1 GHS Classification                                  |                        |
|   | No significant hazards |
| 2.2 GHS Label Elements                                  |                        |
|   | None                   |
| 2.3 Other hazards which do not result in classification |                        |
|   | None                   |

### Section 3: Confirmation/information on ingredients

|                       |   |
|-----------------------|---|
| 3.1 Chemical Identity |   |
|                       | Plastic substrate with adhesive backing |

### Section 4: First aid measures.

|   |  |
|---|--|
| 4.1 Description of first aid measures.  |  |
| Inhalation  | Not applicable.  |
| Eye contact   | Not applicable.  |
| Skin contact  | No irritation expected.  |
| Ingestion   | May cause irritation of mucous membranes. DO NOT INDUCE VOMITING. Seek medication attention if irritation or symptoms persist. |
| 4.2 Most important symptoms and effects, both acute and delayed.                |  |
| Inhalation  | Not applicable   |
| Eye contact   | Not applicable   |
| Skin contact  | No irritation expected   |
| Ingestion   | Seek medical attention if irritation or systems persist.   |
| 4.3 Indication of any immediate medical attention and special treatment needed. |  |
| Inhalation  | Not applicable   |
| Eye contact   | Not applicable   |
| Skin contact  | Not applicable   |
| Ingestion   | If you feel unwell, seek medical advice (show the label where possible)  |

## Section 5: Firefighting 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.                     |

## Section 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.                                |

## Section 7: Handling and storage

|   |  |
|---|--|
| 7.1 Precautions for safe handling                             |  |
| Individual protection measures                                | Not normally required.                     |
| Eye/face protection   | Not applicable                             |
| Skin protection – Hand protection                             | Not applicable                             |
| Respiratory protection  | Not applicable                             |
| Environmental exposure controls                               | Keep in a cool, dry, well ventilated area. |
| 7.2 Conditions for safe storage, including incompatibilities. |  |
|   | Not applicable.                            |

## Section 8: Exposure controls/personal protection

|   |                        |
|---|------------------------|
| 8.1 Precautions for safe handling                             |                        |
| Individual protection measures                                | Not normally required. |
| Eye/face protection   | Not applicable         |
| Skin protection – Hand protection                             | Not applicable         |
| Respiratory protection  | Not applicable         |
| Environmental exposure controls                               | Normally not required  |
| 8.2 Conditions for safe storage, including incompatibilities. |                        |
|   | Not applicable.        |
| 8.3 Individual protection measures.                           |                        |
|   | None Required          |

## Section 9: Physical and Chemical Properties

|   |                                  |
|---|----------------------------------|
| 9.1 Precautions for safe handling       |                                  |
| Appearance                              | Self Adhesive plastic strip.     |
| Colors                                  | Various colors according to type |
| Odor                                    | None                             |
| Odor threshold                          | Does not apply                   |
| pH                                      | Does not apply                   |
| Melting Point/Freezing Point            | Does not apply                   |
| Initial Boiling Point and Boiling Range | Does not apply                   |
| Flash Point                             | Does not apply                   |
| Evaporation rate                        | Does not apply                   |

|  |                |
|--|----------------|
| Flammability                                 | Not available  |
| Upper/Lower Flammability or Explosive Limits | Not available  |
| Vapor Pressure                               | Does not apply |

## Section 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. |

## Section 11: Toxicological

|                                   |  |
|-----------------------------------|--|
| 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.                                |

## Section 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. |

## Section 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. |
|--|---|

## Section 14: Transport Information

|                                  |  |
|----------------------------------|--|
| UN Number                        | None   |
| UN Proper Shipping Name          | Not Applicable   |
| Transport hazard class(es)       | None   |
| Packing Group (if applicable)    | Not applicable   |
| Environmental Hazards            | No known environmental hazards                           |
| Special Precautions for the User | None   |
| DOT                              | The product is not classified as dangerous for carriage. |
| IMDG                             | The product is not classified as dangerous for carriage. |
| IATA                             | The product is not classified as dangerous for carriage. |
| Further Information              | The product is not classified as dangerous for carriage. |

#### Section 15: Regulator Information

|                     |  |
|---------------------|--|
| Further Information | This product complies with ROHS legislation. |
|---------------------|--|

#### Section 16: Other information

|                      |   |
|----------------------|---|
| HMIS Labeling        | <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> |
| Revision Information | <p>Revision 4: Updated the document to include the revision date on the document.</p> <p>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>   |