

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

Telephone 847-998-8580

Fax 847-998-6866

Email 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.

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	Seek medical attention if irritation or systems persist

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

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

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

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

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

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	This product is not classified as dangerous for carriage
IMDG	This product is not classified as dangerous for carriage
IATA	This product is not classified as dangerous for carriage
Further Information	This product is not classified as dangerous for carriage

15. REGULATORY INFORMATION

Further Information	This product complies with ROHS legislation.
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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. 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>