

Safety Data Sheet Liquid Crystal Temperature Indicating Strip

Section 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
1.4 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

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.
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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.
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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>