

SAFETY DATA SHEET

Instascan Liquid Crystal Base – Formaldehyde Free

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MSDS167 Revision 0
Revision Date 07/09/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Instascan Liquid Crystal Base - Formaldehyde Free
Additional Names None
Description Aqueous black coating containing microencapsulated cholesteric liquid crystal mixture.
Intended Use Thermochromic Liquid Crystal
Company LCR Hallcrest
1911 Pickwick Lane
Glenview
IL 60026 USA
Web www.hallcrest.com
Telephone +1 847 998 8580
Fax +1 847 998 6866
Email sales@hallcrest.com
Emergency telephone number Chemtel Domestic: 800-255-3924
Intl: +01-813-248-0585

2. HAZARDS IDENTIFICATION.

GHS Classification Non hazardous

GHS Label Elements

Pictograms

Signal Word Non hazardous

Hazard Statements

Precautionary Statement

P281 - Use personal protective equipment as required

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients	Classification	Conc.	CAS

4. FIRST AID MEASURES

Description of first aid measures

Skin contact May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist..
Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation May cause irritation to mucous membranes. Move the exposed person to fresh air.

Ingestion May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

Most important symptoms and effect, both acute or delayed.

Skin contact Skin Irritation

Eye contact Eye Irritation

Inhalation Irritation to the mucus membrane.

Ingestion Irritation to the mucus membrane.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use extinguishing media appropriate to the surrounding fire conditions.

Specific hazards arising from the chemical Burning produces irritating, toxic and obnoxious fumes.

Special protective actions for fire-fighters Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures Ensure adequate ventilation of the working area

Environmental Precautions Do not allow product to enter drains. Prevent further spillage if safe.

Methods and material for containment and cleaning up Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Individual protection measures Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Conditions for safe storage, including incompatibilities: Keep in cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
N/A			

Engineering measures Ensure adequate ventilation of the working area.

Hand protection Chemical resistant gloves (PVC)

Eye Protection In case of splashing, wear approved safety goggles.

Protective equipment Water protective clothing. NIOSH approved respirator, as conditions warrant.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black Liquid
Colors	Black
Odor	None
Odor threshold	N/A
pH	N/A
Melting Point/Freezing Point	No testing available.
Initial Boiling Point and Boiling Range	100°C
Flash Point	No testing available.
Evaporation rate	No testing available.
Flammability	No testing available.
Upper/Lower Flammability or Explosive Limits	No testing available.
Vapor Pressure	No testing available.
Solubility	Miscible

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	No Significant Hazard.
Conditions to avoid	No Significant Hazard.
Incompatible materials	No Significant Hazard.
Hazardous Decomposition Products	No Significant Hazard.

11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation	No test data available
Serious eye damage/irritation	No test data available
Respiratory or skin sensitization	No test data available
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

12. ECOLOGICAL INFORMATION

Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	None

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

UN Number This product is not classified as dangerous for carriage.
UN Proper Shipping Name This product is not classified as dangerous for carriage.
Transport Hazard class(es) This product is not classified as dangerous for carriage.
Packing Group (if applicable) This product is not classified as dangerous for carriage.
Environmental Hazards This product is not classified as dangerous for carriage.
Special Precautions for the User This product is not classified as dangerous for carriage.
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.

15. REGULATORY INFORMATION

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
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N/A

16. OTHER INFORMATION

Revision

Further information 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.

HMIS LABELLING HEALTH 1 FLAMMABILITY 0, PHYSICAL HAZARD 0. PERSONAL PROTECTION: B.