

## SAFETY DATA SHEET Instascan Liquid Crystal Base

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MSDS066 Revision 2  
Revision Date 06/15/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

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

### 2. HAZARDS IDENTIFICATION.

**GHS Classification** Carcinogen 1A

#### GHS Label Elements

##### Pictograms



**Signal Word** Danger  
**Hazard Statements** H350 - May cause cancer  
**Precautionary Statement**  
P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been met  
P281 - Use personal protective equipment as required  
P308 + P313 - IF exposed or concerned: Get medical advice/attention.  
P405 - Store locked up.  
P501 - Dispose of contents/ container to an approved waste disposal plant.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients	Classification	Conc.	CAS
Formaldehyde	Flam. Liq. 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 1A; Quatic Acute 3; H227, H301+H311_H331, H314, H317, H318, H341, H350, H402	<0.5%	50-0-0

### 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
Formaldehyde	C 0.3ppm	0.016ppm TWA; NIOSH Potential Occupational Carcinogen – see Appendix A. Potential NIOSH carcinogen.	0.75 ppm TWA PEL; 2 ppm STEL; 0.5ppm TWA action level

**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** Grey Liquid

**Colors** Grey.

**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**

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

**11. TOXICOLOGICAL INFORMATION**

<b>Skin corrosion/irritation</b>	No test data available
<b>Serious eye damage/irritation</b>	No test data available
<b>Respiratory or skin sensitization</b>	No test data available
<b>Germ cell mutagenicity</b>	No test data available
<b>Carcinogenicity</b>	Formaldehyde is a known human carcinogen.
<b>Reproductive toxicity</b>	No test data available
<b>STOT-single exposure</b>	No test data available
<b>STOT-repeat exposure</b>	No test data available
<b>Aspiration hazard</b>	No test data available

**12. ECOLOGICAL INFORMATION**

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	None

**13. DISPOSAL CONSIDERATIONS**

<b>General information</b>	Dispose of in compliance with all local and national regulations.
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**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

<b>Ingredient</b>	<b>TSCA</b>	<b>MA</b>	<b>SARA313</b>	<b>CALPROP65</b>	<b>CWA307</b>	<b>CAA112</b>	<b>CWA311</b>	<b>SARA302</b>	<b>SARA304</b>
Formaldehyde (<1.0%)	Y	Y	Y 0.1	Y	N	Y	Y	Y 500	Y 100

**16. OTHER INFORMATION**

<b>Revision</b>	Revision 2: Formatting - Major revision to include the requirements of the HCS/HazCom 2012 Final Rule.
<b>Further information</b>	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.
<b>HMIS LABELLING</b>	HEALTH 1 FLAMMABILITY 0, PHYSICAL HAZARD 0. PERSONAL PROTECTION: B.