

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
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 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

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	Formaldehyde is a known human carcinogen.
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.
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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
Formaldehyde (<1.0%)	Y	Y	Y 0.1	Y	N	Y	Y	Y 500	Y 100

16. OTHER INFORMATION

Revision	Revision 2: Formatting - Major revision to include the requirements of the HCS/HazCom 2012 Final Rule.
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.