

SAFETY DATA SHEET

Instascan Liquid Crystal Base

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	
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

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.

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.