

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### CHIRAL SCREEN INK

Revision 1  
Revision date 2014-10-31

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name CHIRAL SCREEN INK

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description Aqueous based ink containing acrylic resins.

##### 1.3. Details of the supplier of the safety data sheet

Company	LCR Hallcrest Ltd
Address	Riverside Buildings Dock Road Connah's Quay Flintshire CH5 4DS United Kingdom
Web	www.lcrhallcrest.com
Telephone	+44 (0) 1244 817107
Fax	+44 (0)1244 818502
Email	sales@lcrhallcrest.com

##### Intended use

Temperature measurement and thermal mapping.

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Main hazards No Significant Hazard

##### 2.2. Label elements

Risk phrases No Significant Hazard

#### SECTION 3: Composition/information on ingredients

##### Further information

Proprietary information. There are no hazardous components present.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

##### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation May cause irritation to respiratory system.

## CHIRAL SCREEN INK

Revision 1  
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Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

**4.3. Indication of any immediate medical attention and special treatment needed**

Inhalation	No Significant Hazard.
Eye contact	May cause irritation to eyes. Bathe the eye with running water for 15 minutes.
Skin contact	No Significant Hazard.
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.
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**5.2. Special hazards arising from the substance or mixture**

	Burning produces irritating, toxic and obnoxious fumes.
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**5.3. Advice for firefighters**

	Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area.
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**6.2. Environmental precautions**

	Do not allow product to enter drains. Prevent further spillage if safe.
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**6.3. Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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**6.4. Reference to other sections**

	For disposal see section 13.
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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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**7.2. Conditions for safe storage, including any incompatibilities**

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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**Suitable packaging**

	Plastic containers. When using do not eat, drink or smoke.
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**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls**

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear:.. Approved safety goggles.

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## 8.2. Exposure controls

Skin protection - Handprotection	Chemical resistant gloves (PVC).
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Tan.
Odour	Mild
pH	4-6
Initial boiling point	100
Flash point	Not applicable.
Flammability (solid, gas)	N/A
Viscosity	1200 CPS
Solubility	Miscible in water

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No Significant Hazard.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No Significant Hazard.
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## 10.4. Conditions to avoid

	No Significant Hazard.
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## 10.5. Incompatible materials

	No Significant Hazard.
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## 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

	No data is available on this product.
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## Further information

	No Significant Hazard.
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## SECTION 12: Ecological information

## Further information

	No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. Water dissolved constituents biodegradable.
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## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

## 14.1. UN number

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## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	<p>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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## Further information

For this product a chemical safety assessment was not carried out.

## SECTION 16: Other information

## Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>3 - Further information.</li> <li>4 - Skin contact.</li> <li>4 - Eye contact.</li> <li>4 - Inhalation.</li> <li>4 - Ingestion.</li> <li>4 - Inhalation.</li> <li>4 - Eye contact.</li> <li>4 - Skin contact.</li> <li>4 - Ingestion.</li> <li>4 - Inhalation.</li> <li>4 - Eye contact.</li> <li>4 - Skin contact.</li> <li>4 - Ingestion.</li> <li>6 - 6.4. Reference to other sections.</li> <li>7 - Suitable packaging.</li> <li>8 - 8.2.3. Environmental exposure controls.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Appearance).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Colour).</li> </ul>
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## Other information

9 - 9.1. Information on basic physical and chemical properties (Odour).  
 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).  
 9 - 9.1. Information on basic physical and chemical properties (Flash point).  
 9 - 9.1. Information on basic physical and chemical properties (Solubility).  
 10 - 10.4. Conditions to avoid.  
 10 - 10.3. Possibility of hazardous reactions.  
 10 - 10.6. Hazardous decomposition products.  
 10 - 10.1. Reactivity.  
 10 - 10.5. Incompatible materials.  
 11 - Further information.  
 11 - 11.1. Information on toxicological effects.  
 12 - Further information.  
 15 - Further information.  
 15 - 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.  
 15 - Regulations.

## 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.

All components are TSCA compliant.

## HMIS LABELLING

HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0. PERSONAL PROTECTION : C.