
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: CHAMELEON WATER BASED TEXTILE SCREEN INK LF

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

- Use of the substance/mixture: Ink
- Manufacture of temperature-indicating products and temperature-sensitive decorative effects.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: LCR Hallcrest
- Address of Manufacturer: Riverside Buildings,
Dock Road,
Connah's Quay,
Deeside,
Flintshire, CH5 4DS,
Wales. U.K.
- Telephone: +44 (0) 1244 817107
- Email: Sales@lcrhallcrest.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1244 818348
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Not Classified

2.2 Label elements

- Signal Word: Not Classified
- Hazard statements
No known significant effects or critical hazards
- Precautionary statements
Avoid breathing dust/fume/gas/mist/vapours/spray.
Use personal protective equipment as required.
IF ON SKIN: Wash with plenty of soap and water.

2.3 Other hazards

- No information available
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SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- Developer
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SECTION 3: Composition/information on ingredients (....)

CAS Number: Proprietary
EC Number: Proprietary
Concentration: 1 - 5 %
Categories: Skin Irrit. 2, Eye Irrit. 2, STOT SE 3
Symbols: GHS07
H Statements: H319, H315, H335

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
- Contact with skin
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
- Ingestion
IF exposed or concerned: Get medical advice/attention.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- May cause irritation

4.3 Indication of any immediate medical attention and special treatment needed

- IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 - Treat symptomatically
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear suitable respiratory protection
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Ensure adequate ventilation
- Wear protective clothing as per section 8

6.2 Environmental precautions

SECTION 6: Accidental release measures (....)

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly.

6.4 Reference to other sections

- For disposal refer to 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.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool place away from frost
- Keep container tightly closed

7.3 Specific end use(s)

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- No information available

8.2 Exposure controls

- Appropriate engineering controls
Ensure adequate ventilation
- Personal protective equipment
Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- Eye / face protection
Safety goggles with lateral shielding (DIN EN 166)
- Skin protection - hand protection
Wear protective gloves in cases of prolonged contact (DIN EN 374).
- Respiratory protection
Wear suitable respiratory equipment when necessary. Use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Various colours according to type.
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	Not applicable.
Freezing Point	No data available
Initial boiling point	100 C
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Miscible in water

9.2 Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	20 g/l

SECTION 10: Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- This article is considered stable under normal conditions

10.4 Conditions to avoid

- No special precautions are required for this product

10.5 Incompatible materials

SECTION 10: Stability and reactivity (....)

- Incompatible with alkalis (strong bases)

10.6 Hazardous decomposition products

- Burning produces obnoxious and irritating fumes.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: No data is available on this product.
 - Skin corrosion/irritation: May cause irritation to skin.
 - Serious eye damage/irritation: May cause eye irritation
 - Respiratory or skin sensitisation: No data available.
 - Germ cell mutagenicity - No data is available on this product
 - Reproductive Effects: No information available
 - STOT-single exposure: No data is available on this product.
 - Aspiration hazard: No data is available on this product.
 - Repeated or prolonged exposure :No data is available on this product.
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SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of contents/container to hazardous waste collection point.
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 Proper Shipping Name

SECTION 14: Transport information (....)

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not Classified
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No1907/2006 of the European Parliament and of the Council on 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.

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

This information supplied in this Safety Data Sheet is designed only as guidance for the safe use and storage 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 only relates 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.

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