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**SAFETY DATA SHEET**

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

- Product Name: CHAMELEON WB GRAVURE INK LF

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

- Use of the substance/mixture: For professional use only., 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

- propan-2-ol; isopropyl alcohol; isopropanol  
CAS Number: 67-63-0  
EC Number: 200-661-7  
Concentration: 1-5%  
Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3  
Symbols: GHS02;GHS07  
H Statements: H225;H336;H319
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**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**

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**SECTION 5: Firefighting measures (....)**

- 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**

- 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**

- propan-2-ol; isopropyl alcohol; isopropanol  
WEL: 8-hr limit ppm: 400

**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)
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**SECTION 8: Exposure controls/personal protection (....)**

- 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.
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**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

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**SECTION 10: Stability and reactivity**

## 10.1 Reactivity

- No information available

## 10.2 Chemical stability

- Stable

## 10.3 Possibility of hazardous reactions

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

- 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

- 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 data available
  - STOT-single exposure: No data is available on this product.
  - STOT-repeated 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

**SECTION 14: Transport information (....)**

Not classified as hazardous for transport

**14.1 UN number**

- UN No.: Not applicable

**14.2 Proper Shipping Name**

- 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:- H225: Highly flammable liquid and vapour. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness.

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.

--- end of safety datasheet ---

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