

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/4

### Chameleon Sheet Fed Offset Ink

Revision 0

Revision date 2011-04-15

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

##### 1.1. Product identifier

**Product name** Chameleon Sheet Fed Offset Ink

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

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

##### Intended use

Manufacture of temperature-indicating products and temperature-sensitive decorative effects.

#### SECTION 2: Hazards identification

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

**2.1.1. Classification - 1999/45/EC** Xi; R43  
Symbols: Xi: Irritant.

**Main hazards** May cause sensitisation by skin contact.

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

##### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
4,4'-Isopropylidenediphenol	604-030-00-0	80-05-7	201-245-8		1 - 10%	Repr. Cat. 3; R62 Xi; R37-41 R43 R52
Kerosine - unspecified - distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8		1 - 10%	Xn; R65
Kerosine - unspecified - kerosine (petroleum), hydrodesulfurized	649-423-00-8	64742-81-0	265-184-9		1 - 10%	Xn; R65
Formaldehyde...% (Formaldehyde)	605-001-00-5	50-00-0	200-001-8		0 - 0.5%	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43

#### SECTION 4: First aid measures

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

<b>Inhalation</b>	May cause irritation to mucous membranes. Move the exposed person to fresh air.
<b>Eye contact</b>	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.

## Chameleon Sheet Fed Offset Ink

Revision 0

Revision date 2011-04-15

## 4.1. 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.
Ingestion	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

## 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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## 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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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Formaldehyde...% (Formaldehyde)	WEL 8-hr limit ppm: 2	WEL 8-hr limit mg/m3: 2.5
	WEL 15 min limit ppm: 2	WEL 15 min limit mg/m3: 2.5

## 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.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## Chameleon Sheet Fed Offset Ink

Revision 0

Revision date 2011-04-15

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Colour</b>	Various colours according to type.
<b>Odour</b>	Perceptible
<b>Solubility</b>	Immiscible in water

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## SECTION 11: Toxicological information

## 11.1.4. Toxicological Information

4,4'-Isopropylidenediphenol	Oral Rat LD50: 4240 mg/kg Dermal Rabbit LD50: 3 mL/kg	Oral Mouse LD50: 2500 mg/kg
Formaldehyde...%	Inhalation Rat LC50/2H h: 250 ppm Oral Mouse LD50: 500 mg/kg Dermal Rabbit LD50: 270 mg/kg	Oral Rat LD50: 500 mg/kg Inhalation Mouse LC50/2H h: 505 mg/m3

## SECTION 12: Ecological information

## Further information

	No constituent has yet been assigned a risk phrase pertaining to ecological effects (R50 to R59) or the symbol N.
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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

## Further information

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

## Labelling

<b>Symbols</b>	Xi: Irritant. 
<b>Risk phrases</b>	R43 - May cause sensitisation by skin contact.
<b>Safety phrases</b>	S24 - Avoid contact with skin. S37 - Wear suitable gloves.

## SECTION 16: Other information

## Other information

<b>Text of risk phrases in Section 3</b>	R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R34 - Causes burns. R37 - Irritating to respiratory system. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R52 - Harmful to aquatic organisms. R62 - Possible risk of impaired fertility.
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## Chameleon Sheet Fed Offset Ink

Revision 0

Revision date 2011-04-15

**Other information**

R65 - Harmful: may cause lung damage if swallowed.

**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 1, PHYSICAL HAZARD 0. PERSONAL PROTECTION: B.