



## SAFETY DATA SHEET

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# CHAMELEON WATER BASED GRAVURE INK

Revision 1  
Revision date 15-Aug-2008

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** CHAMELEON WATER BASED GRAVURE INK

**Description** Water based, temperature sensitive, colour change ink.

**Company** B&H Colour Change  
212 St. Ann's Hill  
London  
SW18 2RU  
team@colourchange.com  
www.colourchange.com

**Telephone** +44 (0) 8454 584121

**Fax** +44 (0) 8454 584131

**Emergency telephone number** +44 (0) 8454 584121

**Intended use** Manufacture of temperature indicating devices.

### 2 HAZARDS IDENTIFICATION.

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

### 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

#### Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Formaldehyde...% (Formaldehyde)	0-0.5%	50-00-0	200-001-8	Carc Cat 3; R40 T; R23/24/25 C; R34 R43
4,4'-Isopropylidenediphenol	1-10%	80-05-7	201-245-8	Repr Cat 3; R62 Xi; R37-41 R43

### 4. FIRST AID MEASURES

**Skin contact** Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Eye contact** Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Inhalation** Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

**Ingestion** Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Carbon oxides.

**Fire hazards** Burning produces irritating, toxic and obnoxious fumes.

**Protective equipment** Wear suitable respiratory equipment when necessary.


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## 15. REGULATORY INFORMATION

<b>Labelling</b>	The product is classified in accordance with 67/548/EEC.
<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.

## 16. 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. R62 - Possible risk of impaired fertility.
<b>Further information</b>	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.
<b>Revision</b>	This document differs from the previous version in the following areas: 16 - hMIS LABELLING.
<b>HMIS LABELLING</b>	HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
<b>Environmental precautions</b>	Do not allow product to enter drains. Prevent further spillage if safe.
<b>Clean up methods</b>	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
<b>Storage</b>	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

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

<b>Engineering measures</b>	Ensure adequate ventilation of the working area.
<b>Respiratory protection</b>	Wear: Suitable respiratory equipment.
<b>Hand protection</b>	Chemical resistant gloves (PVC)
<b>Eye protection</b>	Approved safety goggles.
<b>Protective equipment</b>	Wear chemical protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Liquid.
<b>Colour</b>	Various colours according to type. Various colours according to type.
<b>Odour</b>	Characteristic.
<b>Boiling point</b>	100°C
<b>Viscosity</b>	Flow Time in 3mm ISO cup (ISO 2431) - 30

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
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## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	May cause sensitisation by skin contact.
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## 12. ECOLOGICAL INFORMATION

<b>Further information</b>	No data is available on this product.
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## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	Dispose of in compliance with all local and national regulations.
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## 14. TRANSPORT INFORMATION

<b>Further information</b>	The product is not classified as dangerous for carriage.
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