

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

### Black Backing Ink

Revision 2

Revision date 2015-06-22

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

##### 1.1. Product identifier

**Product name** Black Backing Ink

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

**Product Use** [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU7] Printing and reproduction of recorded media; [PC18] Ink and toners;

##### 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

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** Xn; R65 R10  
 Symbols: Xn: Harmful.  
**Main hazards** Flammable. Harmful: may cause lung damage if swallowed.  
**2.1.2. Classification - EC 1272/2008** Flam. Liq. 3: H226; Asp. Tox. 1: H304;

##### 2.2. Label elements

###### Hazard pictograms



###### Signal Word

Danger

###### Hazard Statement

Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

###### Precautionary Statement: Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground/bond container and receiving equipment.  
 P241 - Use explosion-proof electrical/ventilating/lighting// equipment.

# Black Backing Ink

Revision 2

Revision date 2015-06-22

## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P310 - IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER/doctor/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P331 - Do NOT induce vomiting. P370+P378 - In case of fire: Use to extinguish.
<b>Precautionary Statement: Storage</b>	P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to

## 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	M-factor.
Straight run kerosine - solvent naphtha (petroleum), medium aliph.	649-405-00-X	64742-88-7	265-191-7			Xn; R65	
Kerosine - unspecified - distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8			Xn; R65	
Ethylbenzene	601-023-00-4	100-41-4	202-849-4	01-2119489370-00		F; R11 Xn; R20	

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Straight run kerosine - solvent naphtha (petroleum), medium aliph.	649-405-00-X	64742-88-7	265-191-7			Asp. Tox. 1: H304;	
Kerosine - unspecified - distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8			Asp. Tox. 1: H304;	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

<b>Inhalation</b>	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause irritation to skin. May cause dermatitis.
<b>Ingestion</b>	Harmful if swallowed.

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

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label.

# Black Backing Ink

Revision 2

Revision date 2015-06-22

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam.

### 5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.

### 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

### 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 with plenty of water.

### 6.4. Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

### 7.3. Specific end use(s)

Do not spray on naked flame or any other incandescent material.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

Ethylbenzene	WEL 8-hr limit ppm:	100	WEL 8-hr limit mg/m <sup>3</sup> :	441
	WEL 15 min limit ppm:	125	WEL 15 min limit mg/m <sup>3</sup> :	552
	WEL 8-hr limit mg/m <sup>3</sup> total	-	WEL 15 min limit mg/m <sup>3</sup> total	-
	inhalable dust:		inhalable dust:	
	WEL 8-hr limit mg/m <sup>3</sup> total	-	WEL 15 min limit mg/m <sup>3</sup> total	-
	respirable dust:		respirable dust:	

### 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.

# Black Backing Ink

Revision 2

Revision date 2015-06-22

## 8.2. Exposure controls

Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Black
Odour	Characteristic
Flash point	46
Flammability (solid, gas)	Flammable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Avoid sparks, flames, heat and sources of ignition.
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### 10.2. Chemical stability

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

	Oxidising agents.
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### 10.4. Conditions to avoid

	Heat, sparks and open flames.
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### 10.5. Incompatible materials

	Oxidising agents.
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### 10.6. Hazardous decomposition products

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

### 11.1.4. Toxicological Information

Ethylbenzene	Inhalation Rat LC50/2H h: 55000 mg/m3 Inhalation Mouse LC50/2H h: 35500 mg/m3	Oral Rat LD50: 3500 mg/kg Dermal Rabbit LD50: 17800 uL/kg
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## SECTION 12: Ecological information

### Further information

	An environmental hazard cannot be eliminated in the event of unprofessional handling or disposal. Do not allow product to enter drains.
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## SECTION 13: Disposal considerations

### General information

	Dispose of in compliance with all local and national regulations.
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### Disposal methods

	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
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## SECTION 14: Transport information

### Hazard pictograms

## Black Backing Ink

Revision 2

Revision date 2015-06-22

## Hazard pictograms



## 14.1. UN number

UN1210

## 14.2. UN proper shipping name

PRINTING INK

## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	III
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## 14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-D
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## SECTION 15: Regulatory information

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

Regulations	<p>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 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.</p>
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## Further information

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

## SECTION 16: Other information

# Black Backing Ink

Revision 2

Revision date 2015-06-22

## Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Description.</li> <li>1 - Intended use.</li> <li>1 - Product Use.</li> <li>2 - 2.1.2. Classification - EC 1272/2008.</li> <li>2 - Hazard pictograms.</li> <li>2 - Signal Word.</li> <li>2 - Precautionary Statement: Prevention.</li> <li>2 - Precautionary Statement: Response.</li> <li>2 - Precautionary Statement: Storage.</li> <li>2 - Precautionary Statement: Disposal.</li> <li>6 - 6.4. Reference to other sections.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Flash point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).</li> <li>12 - 12.1. Toxicity.</li> </ul>
Text of risk phrases in Section 3	<ul style="list-style-type: none"> <li>R11 - Highly flammable.</li> <li>R20 - Harmful by inhalation.</li> <li>R65 - Harmful: may cause lung damage if swallowed.</li> </ul>
Text of Hazard Statements in Section 3	<ul style="list-style-type: none"> <li>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</li> </ul>

## Further information

	<p>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.</p>
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