

## MATERIAL SAFETY DATA SHEET

### Black Backing

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MSDS041 Revision 2  
Revision date 1/14/2015

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** BI008, BI012

**Company** LCR Hallcrest  
1911 Pickwick Lane  
Glenview  
IL 60026

**Telephone** +1 847 998 8580

**Fax** +1 847 998 6866

**Emergency telephone number** +1 847 998 8580

**Intended use** Black Graphic Ink.

#### 2 HAZARDS IDENTIFICATION.

##### Statement of Hazard

**DANGER** EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE

##### Properties

Color Black  
Odor Characteristic  
State Liquid

##### Main hazards

Flammable Harmful: may cause lung damage if swallowed.

#### 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

##### Hazardous ingredients

	Conc.	CAS
Straight run kerosine - solvent naphtha (petroleum), medium aliph.	20 - 30%	64742-88-7
Kerosine - unspecified - distillates (petroleum), hydrotreated light	1 - 10%	64742-47-8
Ethylbenzene (Ethyl benzene)		100-41-4

## 4. FIRST AID MEASURES

<b>Skin contact</b>	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.
<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.
<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.
<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Carbon oxides. Alcohol resistant foam.
<b>Fire hazards</b>	Burning produces irritating, toxic and obnoxious fumes.
<b>Protective equipment</b>	Wear suitable respiratory equipment when necessary.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. 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. 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. Use explosion proof equipment. Keep away from sources of ignition - No smoking.
<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

<b>Exposure limits</b>										
Ethylbenzene (Ethyl benzene)	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">ACGIH TLV TWA: 100 ppm</td> <td style="width: 33%;">ACGIH TLV STEL: 125 ppm</td> <td style="width: 33%;"></td> </tr> <tr> <td>Notations: A3; BEI</td> <td>OSHA PEL 8hr TWA ppm: 100</td> <td></td> </tr> <tr> <td>OSHA PEL 8hr TWA mg m3: 435</td> <td>Skin Designation: -</td> <td></td> </tr> </table>	ACGIH TLV TWA: 100 ppm	ACGIH TLV STEL: 125 ppm		Notations: A3; BEI	OSHA PEL 8hr TWA ppm: 100		OSHA PEL 8hr TWA mg m3: 435	Skin Designation: -	
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OSHA PEL 8hr TWA mg m3: 435	Skin Designation: -									
<b>Engineering measures</b>	Ensure adequate ventilation of the working area.									
<b>Respiratory protection</b>	If concentrations of hazardous ingredients exceeds exposure limits a NIOSH (National Institute for Occupational Safety and Health) approved respirator with organic filter must be used. If material is handled under mist, spray or dust forming conditions a P100 (99.97% efficiency) filter should be used in addition to the organic filter. Protection provided by air									
<b>Hand protection</b>	Chemical resistant gloves (PVC)									
<b>Eye protection</b>	Approved safety goggles.									
<b>Protective equipment</b>	Wear chemical protective clothing.									

# Black Backing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Color	Black.
Odor	Characteristic.
Flash point	46°C
Flammability limits	Flammable
VOC (Volatile organic compounds)	366 g/l

## 10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, sparks and open flames.
Materials to avoid	Oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

Ethylbenzene

Oral Rat LD50 = 3500 mg/kg  
Dermal Rabbit LD50 = 17800 uL/kg  
Inhalation Rat LC50/2H h = 55000 mg/m3  
Inhalation Mouse LC50/2H h = 35500 mg/m3

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

### DOT

UN 1210  
Class 3

Packing group III  
Proper Shipping Name PRINTING INK.

### IMDG

UN 1210  
Class 3  
EmS Code F-E S-D

Packing group III  
Marine pollutant NO

### IATA

UN 1210  
Class 3  
Packing Instruction 310  
(Cargo)  
Packing Instruction 309  
(Passenger)

Packing group III  
Subsidiary risk -  
Maximum quantity 220 L  
Maximum quantity 60 L

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## 15. REGULATORY INFORMATION

### Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Straight run kerosine -	Y	N	N	N	N	N	N	N	N
Kerosine - unspecified -	Y	N	N	N	N	N	N	N	N
Ethylbenzene	Y	Y	Y 0.1	Y	Y	Y	Y	N	N

## 16. OTHER INFORMATION

### Statement of Hazard

EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE

### 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.

### Maximum content of VOC

366 g/l

### TSCA

All components are TSCA compliant.

### HMIS LABELLING

HEALTH 1, FLAMMABILITY 2, PHYSICAL HAZARD 0 PERSONAL PROTECTION: G.