

# MATERIAL SAFETY DATA SHEET



## SECTION 1: Identification of the Substance and Company/Undertaking

1.1	<b>Product Identifier:</b>	<b>Brother LC980/LC985 Black and Colours</b> Replacement Brother LC980, Cyan, Magenta, Yellow Rev 3 22/07/2013
1.2	<b>Relevant identified uses of the substance and uses advised against</b>	
	<b>Use:</b>	Ink for inkjet printer cartridges
	<b>Relevant identified uses:</b>	See above
	<b>Environmental release category:</b>	ERC8c (Wide dispersive indoor use resulting in inclusion into or onto a matrix) ERC11a (Wide dispersive indoor use of long-life articles and materials with low release)
	<b>Mixture supplied to that use in form of:</b>	A mixture
	<b>Product Category by type of chemical:</b>	PC18 (Ink and Toners)
	<b>Sector of end use:</b>	SU3, 21, 22 (Industrial, consumer and professional users)
	<b>Uses advised against:</b>	All other uses
1.3	<b>Details of the supplier of the Safety data Sheet</b>	
	<b>Address:</b>	Dynamic Cassette International Limited Marsh Lane Boston Lincolnshire PE21 7TX England
	<b>Telephone Number:</b>	+44 (0)1205 355555
	<b>Email Address:</b>	sales@dci.co.uk
1.4	<b>Emergency Telephone:</b>	+44 (0)1205 355555 or 07901 825565

## SECTION 2: Hazards Identification

2.1	<b>Classification of the mixture</b>	
2.1.1	<b>Classification according to</b>	None

# MATERIAL SAFETY DATA SHEET

Regulation (EC) No 1272/2008 (including amendments):	
2.1.2 Classification according to EU Directive 67/548/EEC (including amendments):	None
2.2 Label elements:	None
Signal word:	None
Hazard statements:	None
Precautionary statements:	None
Prevention:	None
Storage:	None
2.3 Other Hazards:	The product is a mixture containing mostly water with various other ingredients producing slight risk of irritation in their pure state
2.4 Additional Information:	The product is not classified as hazardous according to EC and National Regulations

## SECTION 3: Composition / Information on Ingredients

### 3.1 Substances

Product identifier type in accordance with Article 18(2) of Regulation (EC) No 1272/2008	Identifier number	Identification name	Weight % content (or range)	EC Number
CLP Annex VI Number	56-81-5	Glycerine	<12%	200-289-5
CLP Annex VI Number	111-46-6	Diethylene Glycol	<4%	203-872-2
CAS Number	112-34-5	Butyl Carbitol	<2%	203-961-6

## SECTION 4: First-Aid Measures

### 4.1 Description of First Aid Measures

Ingestion:	Give 2-4 cups full of milk or water, do not induce vomiting; seek medical advice
Skin contact:	Clean affected area with plenty of water, soap or other non-irritating

# MATERIAL SAFETY DATA SHEET

cleanser

**Eye contact:**

Flush eyes with plenty of water until clear; seek medical advice if irritation persists

**Inhalation:**

Move the exposed person to fresh air at once. Seek medical advice

**First Aider Protection:**

None specific

**4.2 Most important symptoms and effects, both acute and delayed**

**Ingestion:**

Slight irritation of the gastro-intestinal tract

**Skin contact:**

Slight irritation

**Eye contact:**

Slight irritation

**Inhalation:**

Slight irritation of the respiratory tract

**4.3 Indication of immediate medical attention and special treatment needed**

**General advice:**

None specific

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## SECTION 5: Fire-Fighting Measures

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**5.1 Extinguishing media (small and large fires)**

**Small Fire:**

Water, water mist, foam, dry powder, CO2

**Large Fire:**

Water, water mist, foam, dry powder, CO2

**Avoid:**

None

**5.2.1 Specific Hazards:**

May create toxic materials, carbon dioxide, carbon monoxide, various hydrocarbons etc. on thermal decomposition

Cartridges may burst if subjected to extreme heat

**5.2.2 Protective equipment and advice for fire fighters:**

Self-contained breathing apparatus and full protective clothing

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## SECTION 6: Accidental Release Measures

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**6.1 Personal precautions, protective equipment and emergency measures**

**6.1.1 For non-emergency personnel:**

During fitting and removal of cartridge apply usual precautions for handling of chemicals. Dispose of used cartridges safely, out of reach of children

**6.1.2 For emergency**

None specific

# MATERIAL SAFETY DATA SHEET

responders:

6.2 **Environmental precautions:**

6.3 **Methods and material for containment and cleaning up**

6.3.1 **For containment:**

6.3.2 **For cleaning up:**

6.3.3 **Other information:**

6.4 **Reference to other sections:**

## SECTION 7: Handling and Storage

7.1 **Precautions for Safe Handling:**

7.2 **Conditions for safe storage, including any incompatibilities:**

7.3 **Specific end uses:**

## SECTION 8: Exposure Controls/Personal Protection

8.1 **Control Parameters**

Substance				
CAS No.				
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

8.2 **Exposure controls**

8.2.1 **Engineering controls:**

# MATERIAL SAFETY DATA SHEET

8.2.2 Personal protective equipment:	During fitting and removal of cartridge apply usual precautions for handling of chemicals. Dispose of used cartridges safely, out of reach of children
8.2.3 Environmental exposure controls:	Take precautionary measures against discharges into the environment

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## SECTION 9: Physical and Chemical Properties

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### 9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Odour:	Slight alcohol odour
Odour threshold:	Not Applicable
pH:	Not Applicable
Melting point:	Not Applicable
Initial boiling point and boiling range:	Not Applicable
Flash point:	Not Applicable
Evaporation rate:	Not Applicable
Flammability:	Not Applicable
Upper/lower flammability or explosive limits:	Not Applicable
Vapour pressure:	Not Applicable
Relative vapour density (air=1):	Not Applicable
Relative density (water=1):	Not Applicable
Solubility:	Miscible with water
Partition coefficient (n-octanol/water):	Not Applicable
Auto-ignition temperature:	Not Applicable
Decomposition temperature:	Not Applicable
Viscosity:	Not Applicable

# MATERIAL SAFETY DATA SHEET

**Explosive properties:**

**Oxidising properties:**

## 9.2 Other information

**Critical Temperature:**

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## SECTION 10: Stability and Reactivity

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10.1 **Reactivity:**

10.2 **Chemical stability:**

10.3 **Possibility of hazardous reactions:**

10.4 **Conditions to Avoid:**

10.5 **Incompatible materials:**

10.6 **Hazardous decomposition products:**

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## SECTION 11: Toxicological Information

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### 11.1 Information on toxicological effects

**Acute toxicity:**

**Skin corrosion/irritation:**

**Serious eye damage/irritation:**

**Respiratory or skin sensitisation:**

**Germ cell mutagenicity:**

**Carcinogenicity:**

**Reproductive toxicity:**

**STOT-single exposure:**

**STOT-repeated exposure:**

# MATERIAL SAFETY DATA SHEET

Aspiration hazard:

Further information:

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## SECTION 12: Ecological Information

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12.1 **Toxicity:**

12.2 **Persistence and degradability:**

12.3 **Bioaccumulative potential:**

12.4 **Mobility in soil:**

12.5 **Results of PBT and vPvB assessment:**

12.6 **Other adverse effects:**

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## SECTION 13: Disposal Considerations

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13.1 **Waste treatment methods:**

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## SECTION 14: Transport Information

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14.1 **UN Number:**

14.2 **UN proper shipping name:**

14.3 **Transport hazard class:**

14.4 **Packing group:**

14.5 **Environmental hazards:**

14.6 **Special Precautions for user:**

14.7 **Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code:**

# MATERIAL SAFETY DATA SHEET

## SECTION 15: Regulatory Information

15.1 **Safety, health and environmental regulations/legislation specific for the substance/mixture:**

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety regulations  
This product has been assessed to ensure of compliance to the EU REACH and CLP Regulations

15.2 **Chemical Safety Assessment:**

The product is determined as not being hazardous

## SECTION 16: Other Information

**Methods of evaluation:**

None specific

**References:**

None specific

**Abbreviations:**

REACH – Registration, Evaluation, Authorisation and restriction of Chemicals  
CLP – Classification, labelling and Packaging of Substances and Mixtures  
EC No – European Commission Number  
UN Number - United Nations Committee of Experts  
WEL – Workplace Exposure Limit  
STOT – Specific Target Organ Toxicity  
PBT – Persistent, Bioaccumulative and Toxic  
vPvB - very Persistent and very Bioaccumulative

The information contained herein is carefully presented, based on the data we have. However, all precautions described herein are for normal handling, not for special handling. Please establish the safe usage in accordance with your handling procedures by reference to this SDS and applicable laws and guidance. In addition, the description, composition, and physical/chemical properties are typical values and not guaranteed for this product.

## Appendix 1: Exposure Scenarios



ISO 9001  
ISO 14001  
ISO 18001

Company Registration 175 7389