

## MATERIAL SAFETY DATA SHEET

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

1.1	<b>Product Identifier:</b>	<b>1. Remanufactured HP933 Cyan, Magenta, Yellow</b> Rev 1 17/12/2013
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

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## 2.1 Classification of the mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (including amendments):

None
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2.1.2 Classification according to EU Directive 67/548/EEC (including amendments):

None
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2.2 Label elements:

None
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Signal word:

None
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Hazard statements:

None
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Precautionary statements:

None
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Prevention:

None
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Storage:

None
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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
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2.4 Additional Information:

The product is not classified as hazardous according to EC and National Regulations
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## SECTION 3: Composition / Information on Ingredients

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### 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
CAS Number	56-81-5	Glycerol	<10%	200-289-5

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## SECTION 4: First-Aid Measures

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### 4.1 Description of First Aid Measures

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<b>Ingestion:</b>	Give 2-4 cups full of milk or water, do not induce vomiting; seek medical advice
<b>Skin contact:</b>	Clean affected area with plenty of water, soap or other non-irritating cleanser
<b>Eye contact:</b>	Flush eyes with plenty of water until clear; seek medical advice if irritation persists
<b>Inhalation:</b>	Move the exposed person to fresh air at once. Seek medical advice
<b>First Aider Protection:</b>	None specific

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

<b>Ingestion:</b>	Slight irritation of the gastro-intestinal tract
<b>Skin contact:</b>	Slight irritation
<b>Eye contact:</b>	Slight irritation
<b>Inhalation:</b>	Slight irritation of the respiratory tract

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

<b>General advice:</b>	None specific
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## SECTION 5: Fire-Fighting Measures

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

<b>Small Fire:</b>	Water, water mist, foam, dry powder, CO2
<b>Large Fire:</b>	Water, water mist, foam, dry powder, CO2
<b>Avoid:</b>	None

<b>5.2.1 Specific Hazards:</b>	May create toxic materials, carbon dioxide, carbon monoxide, various hydrocarbons etc. on thermal decomposition  Cartridges may burst if subjected to extreme heat
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<b>5.2.2 Protective equipment and advice for fire fighters:</b>	Self-contained breathing apparatus and full protective clothing
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## SECTION 6: Accidental Release Measures

### 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 responders: None specific

6.2 Environmental precautions: Take precautionary measures against discharges into the environment

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

6.3.1 For containment: No hazard foreseen due to container size

6.3.2 For cleaning up: Apply normal mopping up procedures and dispose of waste as appropriate  
Dispose of bulk spillage via local authority regulations

6.3.3 Other information: None

6.4 Reference to other sections: Section 8

## SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling: Handle with care  
Do not store under heavy load conditions or at extremes of temperature  
Keep out of reach of children

7.2 Conditions for safe storage, including any incompatibilities: None specific

7.3 Specific end uses: None

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

Substance		
CAS No.		
	Limit value - Eight hours	Limit value - Short term

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	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

## 8.2 Exposure controls

- 8.2.1 **Engineering controls:**
- 8.2.2 **Personal protective equipment:**
- 8.2.3 **Environmental exposure controls:**

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## SECTION 9: Physical and Chemical Properties

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### 9.1 Information on basic physical and chemical properties

- Appearance:**
- Odour:**
- Odour threshold:**
- pH:**
- Melting point:**
- Initial boiling point and boiling range:**
- Flash point:**
- Evaporation rate:**
- Flammability:**
- Upper/lower flammability or explosive limits:**
- Vapour pressure:**
- Relative vapour density (air=1):**
- Relative density (water=1):**
- Solubility:**
- Partition coefficient (n-octanol/water):**

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**Auto-ignition temperature:**

Not Applicable

**Decomposition temperature:**

Not Applicable

**Viscosity:**

Not Applicable

**Explosive properties:**

Not Applicable

**Oxidising properties:**

Not Applicable

## 9.2 Other information

**Critical Temperature:**

Not Applicable

## SECTION 10: Stability and Reactivity

10.1 **Reactivity:**

Product is stable under normal storage and usage conditions

10.2 **Chemical stability:**

See above

10.3 **Possibility of hazardous reactions:**

None

10.4 **Conditions to Avoid:**

Extreme temperatures

10.5 **Incompatible materials:**

None

10.6 **Hazardous decomposition products:**

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

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

**Acute toxicity:**

Not Applicable

**Skin corrosion/irritation:**

Not Applicable

**Serious eye damage/irritation:**

Not Applicable

**Respiratory or skin sensitisation:**

Not Applicable

**Germ cell mutagenicity:**

Not Applicable

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<b>Carcinogenicity:</b>	Not Applicable
<b>Reproductive toxicity:</b>	Not Applicable
<b>STOT-single exposure:</b>	No Known Effects
<b>STOT-repeated exposure:</b>	No Known Effects
<b>Aspiration hazard:</b>	Not Applicable
<b>Further information:</b>	Toxicological effects unlikely due to size and nature of product design

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## SECTION 12: Ecological Information

12.1	<b>Toxicity:</b>	Ecological effects unlikely due to size and nature of product design, provided contents not disposed of in large quantities
12.2	<b>Persistence and degradability:</b>	Not Applicable
12.3	<b>Bioaccumulative potential:</b>	Not Applicable
12.4	<b>Mobility in soil:</b>	Not Applicable
12.5	<b>Results of PBT and vPvB assessment:</b>	The mixture does not contain any ingredients which are PBT, vPvB or Substances of Very high concern
12.6	<b>Other adverse effects:</b>	Not Applicable

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## SECTION 13: Disposal Considerations

13.1	<b>Waste treatment methods:</b>	Empty cartridges may be disposed of via local domestic waste regulations Full cartridges should be kept out of reach the of children until safely disposed of
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## SECTION 14: Transport Information

14.1	<b>UN Number:</b>	Not Applicable
14.2	<b>UN proper shipping name:</b>	Not Applicable
14.3	<b>Transport hazard class:</b>	Not Applicable
14.4	<b>Packing group:</b>	Not Applicable

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- 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:**

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## SECTION 15: Regulatory Information

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

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## SECTION 16: Other Information

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- Methods of evaluation:**
- References:**
- Abbreviations:**

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.



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## Appendix 1: Exposure Scenarios

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