

# MATERIAL SAFETY DATA SHEET



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

### 1.1 Product Identifier:

**HP Remanufactured 21 / 27 / 56**

Rev 5 23/07/2013

### 1.2 Relevant identified uses of the substance and uses advised against

#### Use:

Ink for inkjet printer cartridges

#### Relevant identified uses:

See above

#### Environmental release category:

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)

#### Mixture supplied to that use in form of:

A mixture

#### Product Category by type of chemical:

PC18 (Ink and Toners)

#### Sector of end use:

SU3, 21, 22 (Industrial, consumer and professional users)

#### Uses advised against:

All other uses

### 1.3 Details of the supplier of the Safety data Sheet

#### Address:

Dynamic Cassette International Limited  
Marsh Lane  
Boston  
Lincolnshire  
PE21 7TX  
England

#### Telephone Number:

+44 (0)1205 355555

#### Email Address:

sales@dcic.co.uk

### 1.4 Emergency Telephone:

+44 (0)1205 355555 or 07901 825565

## SECTION 2: Hazards Identification

### 2.1 Classification of the mixture

#### 2.1.1 Classification according to Regulation (EC) No

None

# MATERIAL SAFETY DATA SHEET

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
CAS Number	107-21-1	Glycol Mixtures	<5%	
CAS Number	603-002-00-5	Alcoholic Mixtures	<8%	
CAS Number	603-117-00-0	Alcoholic Mixtures	<8%	

## 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 cleanser

# MATERIAL SAFETY DATA SHEET

<b>Eye contact:</b>	Flush eyes with plenty of water until clear; seek medical advice if irritation persists
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<b>Inhalation:</b>	Move the exposed person to fresh air at once. Seek medical advice
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<b>First Aider Protection:</b>	None specific
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## 4.2 Most important symptoms and effects, both acute and delayed

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

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

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

<b>6.1.1 For non-emergency personnel:</b>	During fitting and removal of cartridge apply usual precautions for handling of chemicals. Dispose of used cartridges safely, out of reach of children
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<b>6.1.2 For emergency responders:</b>	None specific
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# MATERIAL SAFETY DATA SHEET

6.2	<b>Environmental precautions:</b>	Take precautionary measures against discharges into the environment
6.3	<b>Methods and material for containment and cleaning up</b>	
6.3.1	<b>For containment:</b>	No hazard foreseen due to container size
6.3.2	<b>For cleaning up:</b>	Apply normal mopping up procedures and dispose of waste as appropriate Dispose of bulk spillage via local authority regulations
6.3.3	<b>Other information:</b>	None
6.4	<b>Reference to other sections:</b>	Section 8

## SECTION 7: Handling and Storage

7.1	<b>Precautions for Safe Handling:</b>	Handle with care Do not store under heavy load conditions or at extremes of temperature Keep out of reach of children
7.2	<b>Conditions for safe storage, including any incompatibilities:</b>	None specific
7.3	<b>Specific end uses:</b>	None

## 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	<b>Engineering controls:</b>	None specific
8.2.2	<b>Personal protective</b>	During fitting and removal of cartridge apply usual precautions for handling

# MATERIAL SAFETY DATA SHEET

**equipment:** 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

## SECTION 9: Physical and Chemical Properties

### 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:**

## SECTION 10: Stability and Reactivity

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:**

## SECTION 11: Toxicological Information

### 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:**

**Aspiration hazard:**

# MATERIAL SAFETY DATA SHEET

Further information:

Toxicological effects unlikely due to size and nature of product design

## 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

## 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
14.5	<b>Environmental hazards:</b>	Not Applicable
14.6	<b>Special Precautions for user:</b>	Not Applicable
14.7	<b>Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code:</b>	Remark: not dangerous cargo, but keep separate from foodstuffs. No special transport requirements necessary under Approved Carriage of Dangerous Goods Regulations

# 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



Company Registration 175 7389

REV 2 DATE 22/07/2013 AUTHORISED BY ISO 9001 QUALITY MANAGER