

MATERIAL SAFETY DATA SHEET



SECTION 1: Identification of the Substance and Company/Undertaking

1.1	Product Identifier:	Canon Remanufactured Colour cartridges C41, C511, C513, C546, C546XL, C541, C541XL, C561, C561XL, C241, C241XL, C246, C246XL
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@dci.co.uk
1.4	Emergency Telephone:	+44 (0)1205 355555

SECTION 2: Hazards Identification

2.1 Classification of the mixture

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2.1.1 Classification according to Regulation (EC) No 1272/2008 (including amendments):	None
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

Chemical name	CAS number	EC Number	Weight % content (or range)	REACH registration number	Classification
Propylene glycol	57-55-6	200-338-0	<15%	None	Acute Tox.4 (H302) Skin irrit.2 (H315) Eye damage 1(H318) Skin Sens.1 (H317) Aquatic Acute 1 (H400)
Glycerine	56-81-5	200-289-5	<10%	None	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	<0.05%	None	

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
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Skin contact:	Clean affected area with plenty of water, soap or other non-irritating 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:	None
Skin contact:	None
Eye contact:	None
Inhalation:	None

4.3 Indication of immediate medical attention and special treatment needed

General advice:	None specific
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SECTION 5: Fire-Fighting Measures

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
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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

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
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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.	
Glycerine 56-81-5	UK. EH40 Workplace Exposure Limits (WELs), as amended, Time Weighted Average (TWA);, Mist. 10 mg/m ³ ELV (IE), Time Weighted Average (TWA);, Mist. 10 mg/m ³

8.2 Exposure controls

8.2.1	Engineering controls:	None specific
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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

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

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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:

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Aspiration hazard:

Further information:

SECTION 12: Ecological Information

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:**

SECTION 13: Disposal Considerations

13.1 **Waste treatment methods:**

SECTION 14: Transport Information

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:**

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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

Text of risk phrases

Text of Hazard Statements:

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

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ISO 9001
ISO 14001
ISO 18001

Company Registration 175 7389