

MATERIAL SAFETY DATA SHEET



SECTION 1: Identification of the Substance and Company/Undertaking

- 1.1 **Product Identifier:** **Remanufactured Epson T16 Black, Cyan, Magenta and Yellow**
Rev 2 28/04/2015
- 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 or 07901 825565

SECTION 2: Hazards Identification

2.1 Classification of the mixture

2.1.1 **Classification according to** None

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| 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 67/548/EEC / 199/45/EC | Identifier number | Identification name | Weight % content (or range) | EC Number | Classification |
|---|-------------------|---------------------|-----------------------------|-----------|----------------|
| CAS Number | 57-55-6 | Propylene glycol | <15% | 200-338-0 | |
| CAS Number | 56-81-5 | Glycerine | <10% | 200-289-5 | |

| 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 | Classification |
|--|-------------------|---------------------|-----------------------------|-----------|----------------|
| CAS Number | 57-55-6 | Propylene glycol | <15% | 200-338-0 | |
| CAS Number | 56-81-5 | Glycerine | <10% | 200-289-5 | |

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SECTION 4: First-Aid Measures

4.1 Description of First Aid Measures

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| 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 |
| 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

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

5.1 Extinguishing media (small and large fires)

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| Small Fire: | Water, water mist, foam, dry powder, CO2 |
| Large Fire: | Water, water mist, foam, dry powder, CO2 |
| Avoid: | None |

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| 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

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 | |
| | ppm | mg/m ³ | ppm | mg/m ³ |
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8.2 Exposure controls

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

SECTION 9: Physical and Chemical Properties

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-):**

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octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

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:

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

SECTION 12: Ecological Information

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

SECTION 13: Disposal Considerations

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| 13.1 | Waste treatment methods: | 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

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| 14.1 | UN Number: | Not Applicable |
| 14.2 | UN proper shipping name: | Not Applicable |
| 14.3 | Transport hazard class: | Not Applicable |
| 14.4 | Packing group: | Not Applicable |
| 14.5 | Environmental hazards: | Not Applicable |

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

SECTION 15: Regulatory Information

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| 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

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|-----------------------------------|--|
| 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.

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Appendix 1: Exposure Scenarios



ISO 9001
ISO 14001
ISO 18001

Company Registration 175 7389