1. Product and Company Identification

Identification of the preparation: 51650Cseries
Synonym(s): HP 50 Cyan Inkjet Print Cartridge
Product use: Inkjet printing
Version #: 05
Revision date: 10-Mar-2013
CAS #: Mixture
Company identification: Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States
Telephone 650-857-1501
Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-503-494-7199
HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. Hazards Identification

Emergency overview: Contact with skin and eyes may result in irritation.

Acute health effects:

- Any potential hazards are presumed to be due to exposure to the components.

  Skin contact: Substituted triphenylmethane salt #1
  Contact with skin may result in irritation.

  Eye contact: Substituted triphenylmethane salt #1
  Contact with eyes may result in irritation.

  Ingestion: Diethylene glycol
  Harmful if swallowed. May cause kidney and liver damage. May depress the central nervous system.

Potential health effects:

- Potential routes of overexposure to this product are skin and eye contact.
- Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.
- Complete toxicity data are not available for this specific formulation.

Chronic health effects: None known.
Carcinogenicity: None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol</td>
<td>111-46-6</td>
<td>&lt; 60</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&lt; 40</td>
</tr>
<tr>
<td>Substituted triphenylmethane salt #1</td>
<td>Proprietary</td>
<td>&lt; 4</td>
</tr>
</tbody>
</table>

Composition comments: This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).
4. First Aid Measures
First aid procedures

**Eye contact**
Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.

**Skin contact**
Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

**Inhalation**
Remove to fresh air. If symptoms persist, get medical attention.

**Ingestion**
If ingestion of a large amount does occur, seek medical attention.

**General advice**
No additional information

5. Fire Fighting Measures

**Flammable properties**
None known.

**Extinguishing media**
Suitable extinguishing media
Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media
None known.

**Specific methods**
None established.

**Hazardous combustion products**
Refer to section 10.

6. Accidental Release Measures

**Personal precautions**
Wear appropriate personal protective equipment.

**Environmental precautions**
Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods for containment**
Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

**Methods for cleaning up**
Soak up with inert absorbent material.

**Other information**
Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

7. Handling and Storage

**Handling**
Avoid contact with skin, eyes and clothing.

**Storage**
Keep out of the reach of children. Keep away from excessive heat or cold.

8. Exposure Controls / Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol (111-46-6)</td>
<td>TWA</td>
<td>10.0000 mg/m3</td>
</tr>
</tbody>
</table>

**Exposure guidelines**
Exposure limits have not been established for this product.

**Engineering controls**
Use in a well ventilated area.

**Personal protective equipment**

**General hygiene considerations**
Handle in accordance with good industrial hygiene and safety practice.

**General**
Use personal protective equipment to minimize exposure to skin and eye.

9. Physical & Chemical Properties

**Appearance**
Not available.

**Color**
Cyan

**Odor**
Not available.

**Odor threshold**
Not available.

**Physical state**
Liquid

**Form**
Not available.
pH | 4  
---|---  
Melting point | Not available.  
Freezing point | Not available.  
Boiling point | Not determined  
Flash point | 200 °F (93.3 °C) Pensky-Martens Closed Cup  
Evaporation rate | Not determined  
Flammability limits in air, upper, % by volume | Not available.  
Flammability limits in air, lower, % by volume | Not determined  
Vapor pressure | Not determined  
Vapor density | Not available.  
Specific gravity | 1  
Relative density | Not available.  
Solubility (water) | Soluble in water  
Auto-ignition temperature | Not available.  
Decomposition temperature | Not available.  
Viscosity | 2 cp  
VOC | Not available.  
Other information | For other VOC regulatory data/information see section 15.

### 10. Chemical Stability & Reactivity Information

**Chemical stability** | Stable under recommended storage conditions.  
**Incompatible materials** | Incompatible with strong bases and oxidizing agents.  
**Hazardous decomposition products** | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.  
**Possibility of hazardous reactions** | Will not occur.

### 11. Toxicological Information

**Carcinogenicity**

**IARC Monographs. Overall Evaluation of Carcinogenicity**
Substituted triphenylmethane salt #1 (CAS Proprietary) Not classifiable as to carcinogenicity to humans.  
**IARC Monographs: Evidence of carcinogenicity in humans**
Substituted triphenylmethane salt #1 (CAS Proprietary) No data.  

**Serious eye damage/eye irritation** | Not available.  
**Further information** | This ink formulation has not been tested for toxicological effects. Refer to Section 2 for potential health effects and Section 4 for first aid measures.

### 12. Ecological Information

**Aquatic toxicity** | LC50/96h/Fathead minnows =>750 mg/L.  
**Persistence and degradability** | Not available.

### 13. Disposal Considerations

**Disposal instructions** | Dispose of in compliance with federal, state, and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

### 14. Transport Information

**Further information** | Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.  
**DOT** | Not regulated as dangerous goods.  
**IATA** | Not regulated as dangerous goods.
IMDG
Not regulated as dangerous goods.

RID
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

US TSCA 12(b): Does not contain listed chemicals.

DEA Exempt Chemical Mixtures Code Number
Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
Not listed.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA (Superfund) reportable quantity
None

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical
No

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
No

State regulations

US. Massachusetts RTK - Substance List
Substituted triphenylmethane salt #1 (CAS Proprietary)

US. New Jersey Worker and Community Right-to-Know Act
Not regulated.

US. Pennsylvania RTK - Hazardous Substances
Diethylene glycol (CAS 111-46-6) Listed.

US. Rhode Island RTK
Diethylene glycol (CAS 111-46-6)

Regulatory information
All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Contains diethylene glycol

16. Other Information

Other information
This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

HMIS® ratings
Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

Material name: 51650Cseries
9398 Version #: 05 Revision date: 10-Mar-2013 Print date: 10-Mar-2013
Disclaimer

This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Issue date

10-Mar-2013

This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Synonyms
9. Physical & Chemical Properties: Other information
11. Toxicological Information: Further information
14. Transport Information: Further information

Manufacturer information

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response Compensation and Liability Act</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>COC</td>
<td>Cleveland Open Cup</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EPCRA</td>
<td>Emergency Planning and Community Right-to-Know Act (aka SARA)</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>REC</td>
<td>Recommended</td>
</tr>
<tr>
<td>REL</td>
<td>Recommended Exposure Limit</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act of 1986</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>TCLP</td>
<td>Toxicity Characteristics Leaching Procedure</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>VOC</td>
<td>Volatile Organic Compounds</td>
</tr>
</tbody>
</table>