1. Product and Company Identification

Material name: CC648 Series
Use of the preparation: Inkjet printing
Version #: 03
Revision date: 08-07-2008
CAS #: Mixture
Manufacturer information: Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, OR 97330-4239 US
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-503-494-7199

General information telephone number
HP Customer Care Line 1-800-474-6836
(Toll-free) 1-800-474-6836
(Direct) 1-208-323-2551
Date prepared: Aug 07, 2008
MSDS number: 301570

2. Hazards Identification

Potential health effects
Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation.
Chronic health effects: Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.
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/substance</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&lt; 80</td>
</tr>
<tr>
<td>1,5-pentanediol</td>
<td>111-29-5</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td>616-45-5</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Ethyl alkylidol</td>
<td>Proprietary</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Sulfonated polyazo black dye</td>
<td>Not available</td>
<td>&lt; 10</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.
5. Fire Fighting Measures

Flash point and method: > 200 °F (> 93.3 °C); Setaflash Closed Tester
Hazardous combustion products: Refer to section 10.
Flammable properties: None known.
Extinguishing media:
- Suitable extinguishing media: CO2, water, dry chemical, or foam
- Unsuitable extinguishing media: None known.
Unusual fire and explosion hazard: None established.
Special firefighting procedures: None established.

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

Exposure guidelines: Exposure limits have not been established for this product.
Personal protective equipment:
- General: Use personal protective equipment to minimize exposure to skin and eye.
- General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color: Black
Odor threshold: Not available.
Physical state: Not available.
pH: 6 - 8
Melting point: Not available.
Freezing point: Not available.
Boiling point: Not determined
Flash point: > 200 °F (> 93.3 °C); Setaflash Closed Tester
Evaporation rate: Not determined
Flammability: Not available.
Flammability limits in air, upper, % by volume: Not available.
MATERIAL SAFETY DATA SHEET

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**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.

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**11. Toxicological Information**

**Sensitization**
Did not cause sensitization on laboratory animals. (OECD 429)

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**12. Ecological Information**

**Aquatic toxicity**
LC50/96h/Fathead minnows => 750 mg/L

**Persistence and degradability**
Not available.

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**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.

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**14. Transport Information**

**IATA**
Not regulated as dangerous goods.

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**15. Regulatory Information**

**CERCLA (Superfund) reportable quantity**
None

**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

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**Material name** CC648 SERIES

**Creation date** Mar 21, 2006

**Version number** 4
International regulations
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.

State regulations
US - Pennsylvania RTK - Hazardous Substances: Listed substance
2-pyrrolidone (616-45-5) Listed.

16. Other Information

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

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

Issue date
Aug 7 2008 4:40PM

Revision
3

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.

Explanation of abbreviations

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