1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation
C8766 Series

Use of the preparation
Inkjet printing

Manufacturer information
Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, OR 97330-4239 US

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
Sep 06, 2005

MSDS number
67322

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component/Substance</th>
<th>CAS Number</th>
<th>% By Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cyan ink</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 60</td>
</tr>
<tr>
<td>1,5-pentanediol</td>
<td>111-29-5</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Ethyl alkyl diol</td>
<td>Proprietary</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>2-pyrolidine</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Substituted phthalocyanine salt #1</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Metal nitrate # 2</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Alkyl diol ethoxylate</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td><strong>Magenta ink</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 60</td>
</tr>
<tr>
<td>1,5-pentanediol</td>
<td>111-29-5</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Ethyl alkyl diol</td>
<td>Proprietary</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>2-pyrolidone</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Substituted naphthalenesulfonate salt #11</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Metal nitrate # 2</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Alkyl diol ethoxylate</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td><strong>Yellow ink</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 60</td>
</tr>
<tr>
<td>1,5-pentanediol</td>
<td>111-29-5</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Ethyl alkyl diol</td>
<td>Proprietary</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>2-pyrolidone</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Substituted naphthalenesulfonate salt #13</td>
<td>Proprietary</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Metal nitrate # 2</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Alkyl diol ethoxylate</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td><strong>Composition comments</strong></td>
<td>This ink supply contains an aqueous ink formulation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).</td>
<td></td>
</tr>
</tbody>
</table>

3. 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.
MATERIAL SAFETY DATA SHEET

Skin contact

1,5-pentanediol
Contact with skin may result in irritation.

2-pyrrolidone
Contact with skin may result in irritation.

Alkyldiol ethoxylate
Contact with skin may result in severe irritation.

Ethyl alkyldiol
Contact with skin may result in mild irritation.

Metal nitrate # 2
Contact with skin may result in irritation.

Substituted naphthalenesulfonate salt #13
Contact with skin may result in irritation.

Eye contact

1,5-pentanediol
Contact with eyes may result in irritation.

2-pyrrolidone
Contact with eyes may result in irritation.

Alkyldiol ethoxylate
Contact can cause moderate to severe irritation and possible injury to the eyes.

Ethyl alkyldiol
Contact with eyes may result in mild irritation.

Metal nitrate # 2
Contact with eyes may result in irritation.

Substituted naphthalenesulfonate salt #11
Contact with eyes may result in irritation.

Substituted naphthalenesulfonate salt #13
Contact with eyes may result in irritation.

Inhalation

2-pyrrolidone
Inhalation may result in respiratory irritation.

Metal nitrate # 2
Inhalation may result in respiratory irritation.

Substituted naphthalenesulfonate salt #13
Inhalation may result in respiratory irritation.

Ingestion

2-pyrrolidone
Ingestion may result in nausea, vomiting and diarrhea.

Alkyldiol ethoxylate
Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

Metal nitrate # 2
Contains nitrate salts, may cause methemoglobinemia.

Potential health effects

Routes of exposure
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.
### 4. FIRST AID MEASURES

<table>
<thead>
<tr>
<th>First aid procedures</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skin</strong></td>
<td>Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.</td>
</tr>
<tr>
<td><strong>Eye</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>Remove to fresh air. If symptoms persist, get medical attention.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>If ingestion of a large amount does occur, seek medical attention.</td>
</tr>
</tbody>
</table>

### 5. FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash point and method</strong></td>
<td>&gt; 93.3 °C (&gt; 200 °F); Pensky-Martens Closed Cup</td>
</tr>
<tr>
<td><strong>Hazardous combustion products</strong></td>
<td>Refer to section 10.</td>
</tr>
<tr>
<td><strong>Extinguishing media</strong></td>
<td>Dry chemical, CO2, water spray or regular foam.</td>
</tr>
<tr>
<td><strong>Unsuitable extinguishing media</strong></td>
<td>None known.</td>
</tr>
<tr>
<td><strong>Unusual fire and explosion hazard</strong></td>
<td>None known.</td>
</tr>
<tr>
<td><strong>Special firefighting procedures</strong></td>
<td>None established.</td>
</tr>
</tbody>
</table>

### 6. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal precautions</strong></td>
<td>Wear appropriate personal protective equipment.</td>
</tr>
<tr>
<td><strong>Environmental precautions</strong></td>
<td>Do not let product enter drains. Do not flush into surface water or sanitary sewer system.</td>
</tr>
<tr>
<td><strong>Procedures if material is released or spilled</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

### 7. HANDLING AND STORAGE

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Handling</strong></td>
<td>Avoid contact with skin, eyes and clothing.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Keep out of the reach of children. Keep away from excessive heat or cold.</td>
</tr>
</tbody>
</table>

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Exposure limit values</strong></td>
<td>None established.</td>
</tr>
<tr>
<td><strong>Personal protective equipment</strong></td>
<td>Use personal protective equipment to minimize exposure to skin and eye.</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td>Handle in accordance with good industrial hygiene and safety practice.</td>
</tr>
<tr>
<td><strong>Hygiene measures</strong></td>
<td>Use in a well ventilated area.</td>
</tr>
</tbody>
</table>

### 9. PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>6.2 - 6.8</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Soluble in water</td>
</tr>
<tr>
<td><strong>Specific gravity</strong></td>
<td>1 - 1.2</td>
</tr>
<tr>
<td><strong>VOC content</strong></td>
<td>&lt; 3 %</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 93.3 °C (&gt; 200 °F)</td>
</tr>
</tbody>
</table>
MATERIAL SAFETY DATA SHEET

Viscosity > 2 cp
Vapor density > 1 (air = 1.0)
Evaporation rate Not determined
Flammability Not determined
Oxidizing properties Not determined
Color Cyan, magenta, yellow

10. CHEMICAL STABILITY & REACTIVITY INFORMATION
Stability Stable under recommended storage conditions.
Hazardous polymerization Will not occur.
Hazardous decomposition products Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Incompatibility Incompatible with strong bases and oxidizing agents.

11. TOXICOLOGICAL INFORMATION
This ink formulation has not been tested for toxicological effects.
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

12. ECOLOGICAL INFORMATION
Aquatic toxicity
Cyan ink
LC50/96h/Fathead minnows <= 400 mg/L
Magenta ink
LC50/96h/Fathead minnows <= 400 mg/L
Yellow ink
LC50/96h/Fathead minnows <= 400 mg/L

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. TRANSPORTATION INFORMATION
General Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
IATA
Proper shipping name Not applicable
Hazard class Not applicable
Packaging exceptions None
Identification number (UN) None
Packing group N/A

15. REGULATORY INFORMATION
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.
US federal regulations US TSCA 12(b): Does not contain listed chemicals.
HMIS ratings
Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Section 302 extremely hazardous substance No
Section 311 hazardous chemical No
Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

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

Issue date
Sep 6 2005 8:58AM

Revision
4

Replaces sheet dated
Sep 6 2005 8:34AM

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