1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation
C6168A

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
Jan 13, 2006

MSDS number
117061

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>Water</td>
<td>7732-18-5</td>
<td>&gt; 70</td>
</tr>
<tr>
<td>Ethyl alkylidol</td>
<td>Proprietary</td>
<td>&lt; 20</td>
</tr>
<tr>
<td>Dipropylene glycol</td>
<td>25265-71-8</td>
<td>&lt; 2.5</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).

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.

Skin contact
Ethyl alkylidol
Contact with skin may result in mild irritation.

Eye contact
Ethyl alkylidol
Contact with eyes may result in mild irritation.

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

First aid procedures

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

Eye
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.

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; Pensky-Martens Closed Cup

Hazardous combustion products
Refer to section 10.

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

Unsuitable extinguishing media
None known.

Unusual fire and explosion hazard
None known.

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.

Procedures if material is released or spilled
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 limit values
Exposure limits have not been established for this product.

Personal protective equipment
Use personal protective equipment to minimize exposure to skin and eye.

General

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

Exposure guidelines
Use in a well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

pH
7 - 8

Vapor pressure
Not determined

Boiling point
Not determined

Solubility
Soluble in water

Specific gravity
1 - 1.2

VOC content
< 3 %

Flash point
> 200 °F
**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** Red

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

### 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** Dispose of in compliance with federal, state, and local regulations.

### 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 Chemicals

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Delayed Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Pressure Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>- No</td>
</tr>
</tbody>
</table>

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Other Information</th>
<th>Details</th>
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<tbody>
<tr>
<td>Issue date</td>
<td>Jan 13 2006 4:21AM</td>
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<tr>
<td>Revision</td>
<td>2</td>
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<tr>
<td>Replaces sheet dated</td>
<td>Nov 10 2005 9:38AM</td>
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<td>Disclaimer</td>
<td>This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. It 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.</td>
</tr>
<tr>
<td>MSDS sections updated</td>
<td>3. Hazards Identification: Routes of exposure</td>
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</tbody>
</table>

### 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