Material Safety Data Sheet

1. Product and Company Identification

<table>
<thead>
<tr>
<th>Material name</th>
<th>C9339 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version #</td>
<td>02</td>
</tr>
<tr>
<td>Revision date</td>
<td>20-Nov-2009</td>
</tr>
<tr>
<td>CAS #</td>
<td>Mixture</td>
</tr>
<tr>
<td>Product use</td>
<td>Inkjet printing</td>
</tr>
<tr>
<td>Company identification</td>
<td>Hewlett-Packard Company</td>
</tr>
<tr>
<td></td>
<td>3000 Hanover Street</td>
</tr>
<tr>
<td></td>
<td>Palo Alto, CA 94304-1185</td>
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<tr>
<td></td>
<td>United States</td>
</tr>
<tr>
<td></td>
<td>Telephone 650-857-1501</td>
</tr>
<tr>
<td>Hewlett-Packard health effects line</td>
<td></td>
</tr>
<tr>
<td>(Toll-free within the US) 1-800-457-4209</td>
<td></td>
</tr>
<tr>
<td>(Direct) 1-503-494-7199</td>
<td></td>
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<tr>
<td>HP Customer Care Line</td>
<td></td>
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<tr>
<td>(Toll-free within the US) 1-800-474-6836</td>
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<tr>
<td>(Direct) 1-208-323-2551</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:hpcustomer.inquiries@hp.com">hpcustomer.inquiries@hp.com</a></td>
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</tr>
</tbody>
</table>

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
1-(2-hydroxyethyl)-2-pyrrolidone
Contact with skin may result in irritation.
Alkyldiol ethoxylate
Contact with skin may result in severe irritation.
Substituted diol
Contact with skin may result in irritation.

Eye contact
1-(2-hydroxyethyl)-2-pyrrolidone
Contact with eyes may result in irritation.
Alkyldiol ethoxylate
Contact can cause moderate to severe irritation and possible injury to the eyes.
Substituted diol
Contact with eyes may result in irritation.

Inhalation
1-(2-hydroxyethyl)-2-pyrrolidone
Inhalation may result in respiratory irritation.

Ingestion
1-(2-hydroxyethyl)-2-pyrrolidone
Ingestion may result in nausea, vomiting and diarrhea.
Alkyldiol ethoxylate
Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

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.

Chronic health effects
None known.
Material Safety Data Sheet

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-(2-hydroxyethyl)-2-pyrrolidone</td>
<td>3445-11-2</td>
<td>&lt; 15</td>
</tr>
<tr>
<td>Substituted diol</td>
<td>Proprietary</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Substituted phthalocyanine salt # 4</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Alkyldiol ethoxylate</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
</tbody>
</table>

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); Pensky-Martens Closed Cup

Hazardous combustion products
Refer to section 10.

Flammable properties
None known.

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

Extinguishing media

Suitable 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.

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
None established.

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

Material name: C9339 SERIES
Creation date: Oct 04, 2004
Version number: 3
9. Physical & Chemical Properties

- Color: Cyan
- Odor threshold: Not available.
- Physical state: Not available.
- pH: 7.8 - 8.7
- 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: Not available.
- Flammability limits in air, upper, % by volume: Not available.
- Flammability limits in air, lower, % by volume: Not determined
- Vapor pressure: Not determined
- Vapor density: > 1 (air = 1.0)
- Specific gravity: 1 - 1.2
- Relative density: Not available.
- Solubility (water): Soluble in water
- Partition coefficient (n-octanol/water): Not available.
- Auto-ignition temperature: Not available.
- Decomposition temperature: Not available.
- VOC: < 3 %
- Viscosity: > 2 cp

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

- Toxicological information: Refer to Section 2 for potential health effects and Section 4 for first aid measures.

12. Ecological Information

- Aquatic toxicity: LC50/96h/Fathead minnows <= 400 mg/L
  Static acute toxicity (trout), survival (100 mg/L) = 100%
  Static acute toxicity (trout), survival (10 mg/L) = 100%
- 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

**IATA**
- **Proper shipping name**: Not applicable
- **Hazard class**: Not applicable
- **UN number**: None
- **Packing group**: N/A
- **Packaging exceptions**: None
- **Packaging non bulk**: None
- **Labels required**: None

**General**
Not a dangerous good under United States DOT, IATA, ADR, IMDG, or RID.

### 15. Regulatory Information

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

**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

**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.

### 16. Other Information

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

**NFPA ratings**
- Health: 1
- Flammability: 1
- Instability: 0

**Issue date**
Nov 20 2009 3:08AM

**Revision**
2

**Replaces sheet dated**
Oct 7 2009 4:19PM

**Manufacturer information**
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(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209

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**Material name**: C9339 SERIES

**Creation date**: Oct 04, 2004

**Version number**: 3
Material Safety Data Sheet

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

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

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
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<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>
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<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>
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<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
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<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
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<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
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<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>
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<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>TCLP</td>
<td>Toxicity Characteristics Leaching Procedure</td>
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<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
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<tr>
<td>VOC</td>
<td>Volatile Organic Compounds</td>
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