1. Product and Company Identification

Identification of the preparation

C9407Series[LG]

Product use

Inkjet printing

Version #

02

Revision date

28-Feb-2011

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. Ingestion may result in nausea, vomiting and diarrhea. May cause sensitization of susceptible persons.

Acute health effects

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

Skin contact

2-pyrrolidone
Contact with skin may result in irritation.

Alkyldiol
Contact with skin may result in irritation.

Eye contact

2-pyrrolidone
Contact with eyes may result in irritation.

Alkyldiol
Contact with eyes may result in irritation.

Inhalation

2-pyrrolidone
Inhalation may result in respiratory irritation.

Alkyldiol
Inhalation may result in respiratory irritation.

Ingestion

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

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

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

Carbon Black: Chronic inhalation studies performed with fine dust particles resulted in lung tumors in animals. The IARC classification was based upon these results. IARC also concluded "there is inadequate evidence in humans for the carcinogenicity of carbon black." Inhalation of fine dust particles is not expected to occur during normal conditions of use of this ink.
Carcinogenicity

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>80 - 90</td>
</tr>
<tr>
<td>Alkyldiol</td>
<td>Proprietary</td>
<td>5 - 7.5</td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td>616-45-5</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Diethylene glycol</td>
<td>111-46-6</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>0 - 1</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>0 - 1</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).

Carbon black is present only in a bound form in this preparation.

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. If irritation persists get medical attention.

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

Ingestion
If material is ingested, immediately contact a physician or poison control center.

5. Fire Fighting Measures

Flammable properties
Combustion generates toxic fumes of fluorides; fluorine compounds;.

Extinguishing media

Suitable extinguishing media: CO2, water, dry chemical, or 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.

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. Remove and wash contaminated clothing before re-use.

Storage: Keep in a dry place. Keep away from excessive heat or cold. Store away from strong oxidizers.
8. Exposure Controls / Personal Protection

Occupational exposure limits

**ACGIH**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>TWA</td>
<td>3.5000 mg/m³</td>
</tr>
<tr>
<td>Triethanolamine (102-71-6)</td>
<td>TWA</td>
<td>5.0000 mg/m³</td>
</tr>
</tbody>
</table>

**U.S. - Tennessee**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>TWA</td>
<td>3.5000 mg/m³</td>
</tr>
</tbody>
</table>

**U.S. - WEEL**

<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**

Light Grey

**Odor**

Not available.

**Odor threshold**

Not available.

**Physical state**

Liquid

**Form**

Not available.

**pH**

9.4

**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 determined

**Decomposition temperature**

Not available.

**VOC**

< 138 g/l

**Other information**

VOC content (less water, less exempt compounds) = < 138 g/L (U.S. requirement, not for emissions)

VOC data based on formulation (Organic compounds minus solids)
## 10. Chemical Stability & Reactivity Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Incompatible with strong bases and oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. hydrogen fluoride, fluorinated hydrocarbons</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

## 11. Toxicological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenicity</td>
<td>Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Not available.</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Not available.</td>
</tr>
<tr>
<td>Further information</td>
<td>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.</td>
</tr>
</tbody>
</table>

## 12. Ecological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic toxicity</td>
<td>LC50/96h/Fathead minnows =&gt; 750 mg/L</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

## 13. Disposal Considerations

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal instructions</td>
<td>Dispose of in compliance with federal, state, and local regulations.</td>
</tr>
<tr>
<td></td>
<td>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 <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a>.</td>
</tr>
</tbody>
</table>

## 14. Transport Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Further information</td>
<td>Not a dangerous good under United States DOT, IATA, ADR, IMDG, or RID.</td>
</tr>
<tr>
<td>DOT</td>
<td>Not regulated as dangerous goods.</td>
</tr>
<tr>
<td>IATA</td>
<td>Basic shipping requirements:</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Hazard class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>UN number</td>
<td>None</td>
</tr>
<tr>
<td>Packing group</td>
<td>N/A</td>
</tr>
<tr>
<td>Additional information:</td>
<td></td>
</tr>
<tr>
<td>Packaging exceptions</td>
<td>None</td>
</tr>
<tr>
<td>IMDG</td>
<td>Not regulated as dangerous goods.</td>
</tr>
<tr>
<td>RID</td>
<td>Not regulated as dangerous goods.</td>
</tr>
</tbody>
</table>

## 15. Regulatory Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>US federal regulations</td>
<td>US TSCA 12(b): Does not contain listed chemicals.</td>
</tr>
<tr>
<td>CERCLA (Superfund) reportable quantity</td>
<td>None</td>
</tr>
<tr>
<td>Occupational Safety and Health Administration (OSHA)</td>
<td>29 CFR 1910.1200        Yes</td>
</tr>
</tbody>
</table>
Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance
- No

Section 311 hazardous chemical
- Yes

State regulations
US - Pennsylvania RTK - Hazardous Substances: Listed substance
- 2-pyrrolidone (CAS 616-45-5) Listed.
- Diethylene glycol (CAS 111-46-6) Listed.

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.

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: 2
- Physical hazard: 0

NFPA ratings
- Health: 1
- Flammability: 2
- Instability: 0

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
28-Feb-2011

This data sheet contains changes from the previous version in section(s):
Hazards Identification: Carcinogenicity
Composition / Information on Ingredients: Composition comments
9. Physical & Chemical Properties: Color
9. Physical & Chemical Properties: Other information
11. Toxicological Information: Carcinogenicity
11. Toxicological Information: Further information
14. Transport Information: Further information

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
## 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>
1. Product and Company Identification

Identification of the preparation: C9407Series[PB]

Product use: Inkjet printing

Version #: 02

Revision date: 28-Feb-2011

Company identification: Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States

Telephone 650-857-1501

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HP Customer Care Line
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(Direct) 1-208-323-2551

Email: hpcustomer.inquiries@hp.com

2. Hazards Identification

Emergency overview: Contact with skin and eyes may result in irritation. Ingestion may result in nausea, vomiting and diarrhea. May cause sensitization of susceptible persons.

Acute health effects: Any potential hazards are presumed to be due to exposure to the components.

Skin contact: 2-pyrrolidone
Contact with skin may result in irritation.

Alkyldiol
Contact with skin may result in irritation.

Eye contact: 2-pyrrolidone
Contact with eyes may result in irritation.

Alkyldiol
Contact with eyes may result in irritation.

Inhalation: 2-pyrrolidone
Inhalation may result in respiratory irritation.

Alkyldiol
Inhalation may result in respiratory irritation.

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

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.

Carcinogenicity: Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.

None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.
3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>70 - 80</td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td>616-45-5</td>
<td>5 - 7.5</td>
</tr>
<tr>
<td>Alkyldiol</td>
<td>Proprietary</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Diethylene glycol</td>
<td>111-46-6</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>0 - 1</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).
Carbon black is present only in a bound form in this preparation.

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. If irritation persists get medical attention.

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

Ingestion
If material is ingested, immediately contact a physician or poison control center.

5. Fire Fighting Measures

Flammable properties
Combustion generates toxic fumes of fluoride/fluorine compounds; aldehydes; ketones; potential for acetylene.

Extinguishing media
Suitable extinguishing media
CO2, water, dry chemical, or 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.

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. Remove and wash contaminated clothing before re-use.

Storage
Keep out of the reach of children. Keep away from excessive heat or cold. Store away from strong oxidizers.

8. Exposure Controls / Personal Protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>ACGIH Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>TWA</td>
<td>3.5000 mg/m3</td>
</tr>
<tr>
<td>Triethanolamine (102-71-6)</td>
<td>TWA</td>
<td>5.0000 mg/m3</td>
</tr>
</tbody>
</table>
U.S. - Tennessee
Components Type Value
Carbon black (1333-86-4) TWA 3.5000 mg/m³

U.S. - WEEL
Components Type Value
Diethylene glycol (111-46-6) TWA 10.0000 mg/m³

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

Engineering controls
Use in a well ventilated area.

Personal protective equipment
Eye / face protection Not required under intended use.
Skin protection Protected gloves not required under intended use.
Respiratory protection For use other than intended use (such as in the event of a large spill), goggles and respirators may be required.

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 Black.
Odor Not available.
Odor threshold Not available.
Physical state Liquid
Form Not available.
pH 9.3
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 determined
Decomposition temperature Not available.
VOC < 192 g/L
Other information VOC content (less water, less exempt compounds) = < 863 g/L (U.S. requirement, not for emissions)

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. aldehydes, ketones, hydrogen fluoride, fluorinated hydrocarbons
Possibility of hazardous reactions
Will not occur.

11. Toxicological Information

Carcinogenicity
Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint.

ACGIH Carcinogens
Carbon black (CAS 1333-86-4) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

IARC Monographs: Evidence of carcinogenicity in humans
Carbon black (CAS 1333-86-4) Inadequate data.

Serious eye damage/eye irritation
Not available.

Skin sensitization
Not available.

Symptoms and target organs
Target Organs (NIOSH)
Carbon black (CAS 1333-86-4) Eyes Respiratory system

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 United States DOT, IATA, ADR, IMDG, or RID.

DOT
Not regulated as dangerous goods.

IATA

Basic shipping requirements:
Proper shipping name Not applicable
Hazard class Not applicable
UN number None
Packing group N/A
Additional information: None
Packaging exceptions None

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.

CERCLA (Superfund) reportable quantity
None
Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance
No
Section 311 hazardous chemical
Yes

State regulations
US - Pennsylvania RTK - Hazardous Substances: Listed substance
- 2-pyrrolidone (CAS 616-45-5) Listed.
- Carbon black (CAS 1333-86-4) Listed.
- Diethylene glycol (CAS 111-46-6) Listed.

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.

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: 2
Physical hazard: 0

NFPA ratings
Health: 1
Flammability: 2
Instability: 0

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This data sheet contains changes from the previous version in section(s):
- Product and Company Identification
- Hazards Identification: Chronic health effects
- Hazards Identification: Carcinogenicity
- Composition / Information on Ingredients: Composition comments
- 9. Physical & Chemical Properties: Other information
- 11. Toxicological Information: Carcinogenicity

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
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