

CB304Series[C]-MSDS\_US-English-02.pdf

CB304Series[M]-MSDS\_US-English-02.pdf

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Identification of the preparation** CB304Series[C]  
**Version #** 02  
**Revision date** 12-Feb-2012  
**CAS #** Mixture  
**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

### Acute health effects

**Skin contact**  
*1-(2-hydroxyethyl)-2-pyrrolidone*  
Contact with skin may result in irritation.  
*1,5-pentanediol*  
Contact with skin may result in irritation.  
*Ethyl alkyldiol*  
Contact with skin may result in mild irritation.

**Eye contact**  
*1-(2-hydroxyethyl)-2-pyrrolidone*  
Contact with eyes may result in irritation.  
*1,5-pentanediol*  
Contact with eyes may result in irritation.  
*Ethyl alkyldiol*  
Contact with eyes may result in mild irritation.  
*Substituted phthalocyanine salt #5*  
Risk of serious damage to eyes.

**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.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Water	7732-18-5	> 70
1-(2-hydroxyethyl)-2-pyrrolidone	3445-11-2	2.5 - 5
1,5-pentanediol	111-29-5	2.5 - 5
Ethyl alkyldiol	Proprietary	2.5 - 5
Substituted phthalocyanine salt #5	Proprietary	2.5 - 5
Phenylenediamine derivative	Proprietary	1 - 2.5

## 4. First Aid Measures

## 5. Fire Fighting Measures

---

## 6. Accidental Release Measures

---

## 7. Handling and Storage

---

## 8. Exposure Controls / Personal Protection

---

## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available.
<b>Color</b>	Cyan
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid
<b>Form</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.

---

## 10. Chemical Stability & Reactivity Information

---

## 11. Toxicological Information

<b>Serious eye damage/eye irritation</b>	Not available.
--	----------------

---

## 12. Ecological Information

<b>Aquatic toxicity</b>	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%
<b>Persistence and degradability</b>	Not available.

---

## 13. Disposal Considerations

---

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

---

---

## 15. Regulatory Information

### CERCLA (Superfund) reportable quantity

None

### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200  
hazardous chemical No

### 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

### 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

### HMIS® ratings

Health: 0  
Flammability: 0  
Physical hazard: 0

### NFPA ratings

Health: 0  
Flammability: 0  
Instability: 0

### Disclaimer

This [Material] Safety Data Sheet 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 (M)SDS 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.

### Issue date

12-Feb-2012

### Explanation of abbreviations

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

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Identification of the preparation** CB304Series[M]  
**Version #** 02  
**Revision date** 12-Feb-2012  
**CAS #** Mixture  
**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

### Acute health effects

#### 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.  
*Pyridine azo dye*  
May cause sensitization by skin contact.

#### 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.  
*Pyridine azo dye*  
Contact with eyes may result in irritation.

#### Inhalation

*2-pyrrolidone*  
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.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Water	7732-18-5	70 - 80
Ethyl alkyldiol	Proprietary	7.5 - 10
2-pyrrolidone	616-45-5	5 - 7.5

Pyridine azo dye	Proprietary	2.5 - 5
1,5-pentanediol	111-29-5	1 - 2.5
Alkyldiol ethoxylate	Proprietary	1 - 2.5

---

#### 4. First Aid Measures

---

#### 5. Fire Fighting Measures

---

#### 6. Accidental Release Measures

---

#### 7. Handling and Storage

---

#### 8. Exposure Controls / Personal Protection

---

#### 9. Physical & Chemical Properties

<b>Appearance</b>	Not available.
<b>Color</b>	Magenta
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid
<b>Form</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.

---

#### 10. Chemical Stability & Reactivity Information

---

#### 11. Toxicological Information

<b>Serious eye damage/eye irritation</b>	Not available.
<b>Sensitization</b>	Not a skin sensitizer. (OECD 429)

---

## 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%  
EC50/48h/daphnia =61 mg/L  
This magenta ink is classified for environmental effects according to EU Directive 1999/45/EC with R52/53.

**Persistence and degradability** Not available.

---

## 13. Disposal Considerations

---

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

---

## 15. Regulatory Information

### CERCLA (Superfund) reportable quantity

None

### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200** No  
**hazardous chemical**

### 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

### State regulations

#### US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-pyrrolidone (CAS 616-45-5) 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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

---

## 16. Other Information

### HMIS® ratings

Health: 0  
Flammability: 0  
Physical hazard: 0

### NFPA ratings

Health: 0  
Flammability: 0  
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.

---

**Explanation of abbreviations**

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