

CB956Series[Y][3]-HP_MSDS_COLOMBIA-English-08.pdf

CB956Series[C][3]-HP_MSDS_COLOMBIA-English-06.pdf

CB956Series[M][3]-HP_MSDS_COLOMBIA-English-07.pdf



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation CB956Series[Y][3]
Use of the substance/preparation Inkjet printing
Issue date 30-May-2015
Revision date 31-May-2015
Version # 02
CAS # Mixture
Company identification Hewlett-Packard Colombia
Carrera 7 No. 99-53.
Edificio Corporativo BSCH calle 100 Torre Dos.
Grupo Santander Central.
Piso 7 al 12, Bogota, Colombia.
Telephone (57) 1 639 0000

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
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

GHS label elements
Signal word None.
Hazard symbols None.
Hazard statement None.
Precautionary statement
Prevention None.
Response None.
Storage None.
Disposal None.
Physical hazards Not classified as a physical hazard.
Health hazards Not classified as a health hazard.
Environmental hazards Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent | EC-No. | Classification |
|--|-------------|---------|-------------|--------------------------------|
| Water | 7732-18-5 | 75-85 | 231-791-2 | |
| 2-pyrrolidone | 616-45-5 | <5 | 210-483-1 | Xi;R36 |
| Ethyl alkyldiol | Proprietary | <5 | Proprietary | |
| Substituted naphthalenesulfonate salt # 13 | Proprietary | <5 | Proprietary | |
| Tetraethylene glycol | 112-60-7 | <5 | 203-989-9 | |
| Alkyldiol ethoxylate | Proprietary | <2.5 | Proprietary | Xn;R21/22, Xi;R38-41, N;R51/53 |

Composition comments This ink supply contains an aqueous ink formulation.
For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation Remove to fresh air. If symptoms persist, get medical attention.
Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
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.
Ingestion If ingestion of a large amount does occur, seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point ≥ 200.0 °F (≥ 93.3 °C) Pensky-Martens Closed Cup
Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam.
Extinguishing media which must not be used for safety reasons None known.
Unusual fire & explosion hazards 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.
Methods for cleaning up Soak up with inert absorbent material.

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

Occupational exposure limits No exposure limits noted for ingredient(s).
Biological limit values No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures
Additional exposure data None established.
Engineering measures to reduce exposure Use in a well ventilated area.
Personal protective equipment
Skin and body protection Not available.
General Use personal protective equipment to minimize exposure to skin and eye.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state Not available.
Color Yellow
Odor Not available.
pH 6.2 - 6.8
Melting point/Freezing point Not available.
Boiling point, initial boiling point, and boiling range Not determined
Flash point ≥ 200.0 °F (≥ 93.3 °C) Pensky-Martens Closed Cup
Auto-ignition temperature Not available.

| | |
|--|------------------|
| Flammability limit - lower (%) | Not determined |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not determined |
| Evaporation rate | Not determined |
| Specific gravity | Not available. |
| Solubility(ies) | |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | >= 2 cp |
| Other data | |
| VOC (Weight %) | < 24 g/l |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Not available. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Toxic to reproduction | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - single exposure | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Other information | Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

Toxicological data

| Components | Species | Test Results |
|-------------------------------------|------------|--------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Guinea pig | 6500 mg/kg |
| | Rat | 6500 mg/kg |
| Tetraethylene glycol (CAS 112-60-7) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 22570 mg/kg |

| Components | Species | Test Results |
|---------------------|---------|------------------------|
| <i>Oral</i> LD50 | Rat | 32700 mg/kg 29 g/kg |

12. ECOLOGICAL INFORMATION

Ecotoxicological data

| Product | Species | Test Results |
|---------------------------------|---------|--|
| CB956Series[Y][3] (CAS Mixture) | | |
| Aquatic | | |
| Fish | LC50 | Fish 400, 96 Hours |
| <i>Acute</i> | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) < 400 mg/l, 96 hours |

| Components | Species | Test Results |
|-----------------------------------|---------|--|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 13.21 mg/l, 48 hours |
| Ethyl alkyldiol (CAS Proprietary) | | |
| Aquatic | | |
| Crustacea | EC50 | Daphnia 102, 48 Hours |
| Fish | LC50 | Fish 1000, 96 Hours |

Environmental effects Not available.

Persistence / degradability Not available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone -0.85

Aquatic toxicity Static acute toxicity (trout), survival (100 mg/L) = 100%
Static acute toxicity (trout), survival (10 mg/L) = 100%

Mobility Not available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. REGULATORY INFORMATION

Labeling

R-phrases(s) None.

S-phrases(s) None.

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.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Rotterdam Convention

Not applicable.

Stockholm Convention

Not applicable.

16. OTHER INFORMATION**Wording of the R-phrases in sections 2 and 3**

R21/22 Harmful in contact with skin and if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Prepared by

Hewlett-Packard Company

Issue date

30-May-2015

Revision date

31-May-2015

Version #

02

Manufacturer information

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
Direct 1-650-857-5020

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 |



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation CB956Series[C][3]
Use of the substance/preparation Inkjet printing
Issue date 30-May-2015
Version # 01
CAS # Mixture
Company identification Hewlett-Packard Colombia
Carrera 7 No. 99-53.
Edificio Corporativo BSCH calle 100 Torre Dos.
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(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. HAZARDS IDENTIFICATION

GHS label elements

Signal word None.

Hazard symbols None.

Hazard statement None.

Precautionary statement

Prevention None.

Response None.

Storage None.

Disposal None.

Physical hazards Not classified as a physical hazard.

Health hazards Not classified as a health hazard.

Environmental hazards Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent | EC-No. | Classification |
|------------------------------------|-------------|---------|-------------|----------------|
| Water | 7732-18-5 | 75-85 | 231-791-2 | |
| 1,5-pentanediol | 111-29-5 | <5 | 203-854-4 | |
| Substituted phthalocyanine salt #5 | Proprietary | <5 | Proprietary | |
| 1-(2-hydroxyethyl)-2-pyrrolidone | 3445-11-2 | <2.5 | 222-359-4 | |
| Phenylenediamine derivative | Proprietary | <2.5 | Proprietary | Xi;R37 |

Composition comments This ink supply contains an aqueous ink formulation.

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

| | |
|---------------------|---|
| Inhalation | Remove to fresh air. If symptoms persist, get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. |
| 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. |
| Ingestion | If ingestion of a large amount does occur, seek medical attention. |

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Flash point | ≥ 200.0 °F (≥ 93.3 °C) Pinsky-Martens Closed Cup |
| Suitable extinguishing media | Dry chemical, CO ₂ , water spray or regular foam. |
| Extinguishing media which must not be used for safety reasons | None known. |
| Unusual fire & explosion hazards | 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. |
| Methods for cleaning up | Soak up with inert absorbent material. |

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

| | |
|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Recommended monitoring procedures | |
| Additional exposure data | None established. |
| Engineering measures to reduce exposure | Use in a well ventilated area. |
| Personal protective equipment | |
| Skin and body protection | Not available. |
| General | Use personal protective equipment to minimize exposure to skin and eye. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Appearance | |
| Physical state | Not available. |
| Color | Cyan |
| Odor | Not available. |
| pH | 6.2 - 6.8 |
| Melting point/Freezing point | Not available. |
| Boiling point, initial boiling point, and boiling range | Not determined |
| Flash point | ≥ 200.0 °F (≥ 93.3 °C) Pinsky-Martens Closed Cup |
| Auto-ignition temperature | Not available. |
| Flammability limit - lower (%) | Not determined |

| | |
|--|------------------|
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not determined |
| Evaporation rate | Not determined |
| Specific gravity | Not available. |
| Solubility(ies) | |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | >= 2 cp |
| Other data | |
| VOC (Weight %) | < 21 g/l |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Not available. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Toxic to reproduction | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - single exposure | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Other information | Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

12. ECOLOGICAL INFORMATION

Ecotoxicological data

| Product | Species | Test Results |
|------------------------------------|----------------|---|
| CB956Series[C][3] (CAS Mixture) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) < 400 mg/l, 96 hours |
| Environmental effects | Not available. | |
| Persistence / degradability | Not available. | |
| Bioaccumulation | Not available. | |
| Aquatic toxicity | | Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% |

Mobility Not available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. REGULATORY INFORMATION

Labeling

R-phrases(s) None.

S-phrases(s) None.

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.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Rotterdam Convention

Not applicable.

Stockholm Convention

Not applicable.

16. OTHER INFORMATION

Wording of the R-phrases in sections 2 and 3 R37 Irritating to respiratory system.

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.

Prepared by Hewlett-Packard Company

Issue date 30-May-2015

Version # 01

This data sheet contains changes from the previous version in section(s): Product and Company Identification: Product and Company Identification
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Ecological Information: Ecotoxicity
Regulatory Information: Canada
HazReg Data: Pacific Rim

Manufacturer information

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
Direct 1-650-857-5020

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 |

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation CB956Series[M][3]
Use of the substance/preparation Inkjet printing
Issue date 30-May-2015
Version # 01
CAS # Mixture
Company identification Hewlett-Packard Colombia
Carrera 7 No. 99-53.
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2. HAZARDS IDENTIFICATION

GHS label elements

Signal word Danger



Hazard statement Causes serious eye damage. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.

Response P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.

Storage None.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical hazards Not classified as a physical hazard.

Health hazards Not classified as a health hazard.

Environmental hazards Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent | EC-No. | Classification |
|------------------|-------------|---------|-------------|-----------------------|
| Water | 7732-18-5 | 75-85 | 231-791-2 | |
| 2-pyrrolidone | 616-45-5 | <7.5 | 210-483-1 | Xi;R36 |
| Pyridine azo dye | Proprietary | <5 | Proprietary | Xi;R36, R43, N;R51/53 |
| 1,5-pentanediol | 111-29-5 | <2.5 | 203-854-4 | |

| Components | CAS # | Percent | EC-No. | Classification |
|----------------------|-------------|---------|-------------|--------------------------------|
| Alkyldiol ethoxylate | Proprietary | <2.5 | Proprietary | Xn;R21/22, Xi;R38-41, N;R51/53 |

Composition comments This ink supply contains an aqueous ink formulation.
For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation Remove to fresh air. If symptoms persist, get medical attention.
Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
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.
Ingestion If ingestion of a large amount does occur, seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point ≥ 200.0 °F (≥ 93.3 °C) Pinsky-Martens Closed Cup
Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam.
Extinguishing media which must not be used for safety reasons None known.
Unusual fire & explosion hazards 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.
Methods for cleaning up Soak up with inert absorbent material.

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

Occupational exposure limits No exposure limits noted for ingredient(s).
Biological limit values No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures
Additional exposure data None established.
Engineering measures to reduce exposure Use in a well ventilated area.
Personal protective equipment
Skin and body protection Not available.
General Use personal protective equipment to minimize exposure to skin and eye.
Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state Not available.
Color Magenta
Odor Not available.
pH 6.2 - 6.8

| | |
|--|--|
| Melting point/Freezing point | Not available. |
| Boiling point, initial boiling point, and boiling range | Not determined |
| Flash point | >= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup |
| Auto-ignition temperature | Not available. |
| Flammability limit - lower (%) | Not determined |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not determined |
| Evaporation rate | Not determined |
| Specific gravity | Not available. |
| Solubility(ies) | |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | >= 2 cp |
| Other data | |
| VOC (Weight %) | < 26 g/l |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Not available. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Causes serious eye damage. |
| Respiratory or skin sensitization | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Toxic to reproduction | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - single exposure | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Other information | Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

Toxicological data

| Components | Species | Test Results |
|------------------------------|----------------|---------------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Guinea pig | 6500 mg/kg |

| Components | Species | Test Results |
|------------|---------|--------------|
| | Rat | 6500 mg/kg |

12. ECOLOGICAL INFORMATION

Ecotoxicological data

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

CB956Series[M][3] (CAS Mixture)

Aquatic

Acute

| | | | |
|------|------|---|----------------------|
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) | < 400 mg/l, 96 hours |
|------|------|---|----------------------|

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

2-pyrrolidone (CAS 616-45-5)

Aquatic

| | | | |
|-----------|------|-------------------------------------|----------------------|
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) | 13.21 mg/l, 48 hours |
|-----------|------|-------------------------------------|----------------------|

Environmental effects Not available.

Persistence / degradability Not available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

| | |
|---------------|-------|
| 2-pyrrolidone | -0.85 |
|---------------|-------|

Aquatic toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%

Mobility Not available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. REGULATORY INFORMATION

Labeling

R-phrases(s) None.

S-phrases(s) None.

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.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Rotterdam Convention

Not applicable.

Stockholm Convention

Not applicable.

16. OTHER INFORMATION**Wording of the R-phrases in sections 2 and 3**

R21/22 Harmful in contact with skin and if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Prepared by

Hewlett-Packard Company

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Version #

01

This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Product and Company Identification

Composition / Information on Ingredients: Ingredients

Physical & Chemical Properties: Multiple Properties

Toxicological Information: Sensitisation

Ecological Information: Ecotoxicity

HazReg Data: Pacific Rim

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 |