

C9407Series[LG]-SDS_COLOMBIA-EU English-02.pdf

C9407Series[PB]-SDS_COLOMBIA-EU English-02.pdf



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation C9407Series[LG]
Version # 01
Product use Inkjet printing
Revision date 28-Feb-2011
Company identification Hewlett-Packard Colombia
Carrera 7 No 99-21/53
Edificio Capita Torre 2
Bogota, Colombia
Telephone (57) 1 639 0000

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
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Product use Inkjet printing

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.

Other information

This light gray ink is not classified according to EU Directive 1999/45/EC.

Classification

Not classified.

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 | 80 - 90 | 231-791-2 | |
| Alkyldiol | Proprietary | 5 - 7.5 | Proprietary | |
| 2-pyrrolidone | 616-45-5 | 2.5 - 5 | 210-483-1 | Xi;R36/38 |
| Diethylene glycol | 111-46-6 | 2.5 - 5 | 203-872-2 | Xn;R22 |
| Carbon black | 1333-86-4 | 0 - 1 | 215-609-9 | |
| Triethanolamine | 102-71-6 | 0 - 1 | 203-049-8 | Xi;R36/38 |

Composition comments

This ink supply contains an aqueous ink formulation.

This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and 1999/45/EC, as amended. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

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

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

4. FIRST AID MEASURES**Inhalation**

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

Skin contact

Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

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 material is ingested, immediately contact a physician or poison control centre.

5. FIRE-FIGHTING MEASURES**Flash point**

93.3 °C (200 °F) Pensky-Martens Closed Cup

Suitable extinguishing media

CO₂, water, dry chemical, or foam

Extinguishing media which must not be used for safety reasons

None known.

Unusual fire & explosion hazards

Combustion generates toxic fumes of fluorides; fluorine compounds;.

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

Colombia

| Components | Type | Value |
|----------------------------|------|--------------|
| Carbon black (1333-86-4) | TWA | 3.5000 mg/m3 |
| Triethanolamine (102-71-6) | TWA | 5.0000 mg/m3 |

Additional exposure data Exposure limits have not been established for this product.

Engineering measures 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 | Not available. |
| Physical state | Liquid |
| Form | Not available. |
| Color | Light Grey |
| Odor | Not available. |
| Odour threshold | Not available. |
| pH | 9.4 |
| Boiling point | Not determined |
| Flash point | 93.3 °C (200 °F) Pensky-Martens Closed Cup |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not determined |
| Vapor pressure | Not determined |
| Relative density | Not available. |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available |
| Viscosity | Not available. |
| Vapor density | Not available. |
| Evaporation rate | Not determined |
| Melting point | Not available. |
| Freezing point | Not available. |
| Auto-ignition temperature | Not determined |
| Specific gravity | 1 |
| VOC | < 138 g/l |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. hydrogen fluoride, fluorinated 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

| | |
|--|---|
| 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. |
| Serious eye damage/eye irritation | Not available. |
| Skin sensitization | Not available. |

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

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.

ADR

Not regulated as dangerous goods.

IATA

| | |
|-----------------------------|----------------|
| UN number | None |
| Proper shipping name | Not applicable |
| Hazard class | Not applicable |
| Packing group | N/A |
| Packaging exceptions | None |

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. REGULATORY INFORMATION**Labeling**

| | |
|-----------------|---|
| Contains | 2-pyrrolidone, Alkyldiol, Carbon black, Diethylene glycol, Triethanolamine, Water |
| EC Label | This product does not require a label according to EU Directive 1999/45/EC. |

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

Wording of the R-phrases in sections 2 and 3 R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

Other information This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

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

Manufacturer information Hewlett-Packard Company
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Corvallis, OR 97330-4239 US
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(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 |



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Product use Inkjet printing

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.

Carcinogenicity Complete toxicity data are not available for this specific formulation

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.

Other information This black ink is not classified according to EU Directive 1999/45/EC.

Classification Not classified.

| | |
|------------------------------|--|
| 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 | 70 - 80 | 231-791-2 | |
| 2-pyrrolidone | 616-45-5 | 5 - 7.5 | 210-483-1 | Xi;R36/38 |
| Alkyldiol | Proprietary | 2.5 - 5 | Proprietary | |
| Diethylene glycol | 111-46-6 | 2.5 - 5 | 203-872-2 | Xn;R22 |
| Carbon black | 1333-86-4 | 1 - 2.5 | 215-609-9 | |
| Triethanolamine | 102-71-6 | 0 - 1 | 203-049-8 | Xi;R36/38 |

Composition comments This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and 1999/45/EC, as amended. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard). For the full text of the R phrases mentioned in this Section, see Section 16. Carbon black is present only in a bound form in this preparation.

4. FIRST AID MEASURES

| | |
|---------------------|---|
| Inhalation | Move to fresh air. If symptoms persist, get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention. |
| 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 material is ingested, immediately contact a physician or poison control centre. |

5. FIRE-FIGHTING MEASURES

| | |
|--|---|
| Flash point | 93.3 °C (200 °F) Pensky-Martens Closed Cup |
| Suitable extinguishing media | CO2, water, dry chemical, or foam |
| Extinguishing media which must not be used for safety reasons | None known. |
| Unusual fire & explosion hazards | Combustion generates toxic fumes of fluoride/fluorine compounds; aldehydes; ketones; potential for acetylene. |
| 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

Colombia

| Components | Type | Value |
|----------------------------|------|--------------|
| Carbon black (1333-86-4) | TWA | 3.5000 mg/m3 |
| Triethanolamine (102-71-6) | TWA | 5.0000 mg/m3 |

Additional exposure data Exposure limits have not been established for this product.

| | |
|--------------------------------------|---|
| Engineering measures | Use in a well ventilated area. |
| Personal protective equipment | |
| Respiratory protection | For use other than intended use (such as in the event of a large spill), goggles and respirators may be required. |
| Eye protection | Not required under intended use. |
| Skin and body protection | Protected gloves not required under intended use. |
| 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 | Not available. |
| Physical state | Liquid |
| Form | Not available. |
| Color | Black. |
| Odor | Not available. |
| Odour threshold | Not available. |
| pH | 9.3 |
| Boiling point | Not determined |
| Flash point | 93.3 °C (200 °F) Pensky-Martens Closed Cup |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not determined |
| Vapor pressure | Not determined |
| Relative density | Not available. |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available |
| Viscosity | Not available. |
| Vapor density | Not available. |
| Evaporation rate | Not determined |
| Melting point | Not available. |
| Freezing point | Not available. |
| Auto-ignition temperature | Not determined |
| Specific gravity | 1 |
| VOC | < 192 g/l |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| 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 |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | 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. |
| Serious eye damage/eye irritation | Not available. |
| Skin sensitization | Not available. |
| 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 aide 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. 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.

ADR

Not regulated as dangerous goods.

IATA

| | |
|-----------------------------|----------------|
| UN number | None |
| Proper shipping name | Not applicable |
| Hazard class | Not applicable |
| Packing group | N/A |
| Packaging exceptions | None |

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Labeling

| | |
|-----------------|---|
| Contains | 2-pyrrolidone, Alkyldiol, Carbon black, Diethylene glycol, Triethanolamine, Water |
| EC Label | This product does not require a label according to EU Directive 1999/45/EC. |

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

Wording of the R-phrases in sections 2 and 3 R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

Other information This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

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

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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 |