



# Safety Data Sheet

## Table of contents

C1823Series[C][3]-SDS\_SOUTH\_AMERICA-English-29.pdf

C1823Series[M][3]-SDS\_SOUTH\_AMERICA-English-28.pdf

C1823Series[Y][3]-SDS\_SOUTH\_AMERICA-English-29.pdf



# SAFETY DATA SHEET

## 1. Identification

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***
<b>Name of the substance or mixture (trade name)</b>	C1823Series[C][3]
<b>Major recommended uses for the substance or mixture</b>	Inkjet printing
<b>Specific restrictions for use of the substance or mixture</b>	Not available.
<b>Manufacturer/Importer/Distributor information</b>	
<b>Company identification</b>	HP Colombia SAS Carrera 7 No 99-53 Torre B Pisos 7 Bogota, Colombia
<b>Telephone</b>	(57) 1 639 0000
<b>HP Inc. health effects line</b>	
<b>(Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-760-710-0048
<b>HP Inc. Customer Care Line</b>	
<b>(Toll-free within the US)</b>	1-800-474-6836
<b>(Direct)</b>	1-208-323-2551
<b>Email:</b>	hpcustomer.inquiries@hp.com

## 2. Hazards identification

<b>Classification of the substance or mixture</b>	
<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>GHS labeling elements, including precautionary statements</b>	
<b>Hazard symbol(s)</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement(s)</b>	Not available.
<b>Precautionary statement(s)</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Other hazards which do not result in classification</b>	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.
<b>GHS Supplemental information</b>	None.

## 3. Composition/information on ingredients

<b>Mixture</b>		
<b>Common chemical name or technical name</b>	<b>CAS number</b>	<b>Concentration or concentration range</b>
Water	7732-18-5	65-75

1,5-pentanediol	111-29-5	< 10
2-pyrrolidone	616-45-5	< 10
magnesium nitrate hexahydrate	10377-60-3	<7.5
Cyan colorant	Proprietary	<2.5
secondary alcohol ethoxylate	84133-50-6	<2.5

**Composition comments** This ink supply contains an aqueous ink formulation.

#### 4. First-aid measures

##### First-aid measures

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

**Most important symptoms/effects, acute and delayed** Not available.

**Notes to physician** Not available.

#### 5. Fire-fighting measures

##### Means of fire extinguishing

<b>Suitable extinguishing media</b>	For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.
<b>Unsuitable extinguishing media</b>	None known.

**Unusual fire & explosion hazards** None known.

**Specific hazards arising from the chemical** Not available.

**Protective measures taken by firefighting crews** Not available.

**Specific methods** None established.

**Hazardous combustion products** Refer to section 10.

#### 6. Control measures for spills and leaks

##### Personal precautions, protective equipment and emergency procedures

**To be taken by those who are not involved in rendering emergency services** Wear appropriate personal protective equipment.

**To be taken by those who are involved in rendering emergency services** Not available.

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up** Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

**Other issues relating to spills and releases** 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

**Precautions for safe handling** Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

### Control parameters

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Exposure limits have not been established for this product.

<b>Appropriate engineering controls</b>	Use in a well ventilated area. Provide adequate ventilation.
---	---

### Personal protective measures

**Eyes and face protection** Not required under intended use.

#### Skin protection

**Hand protection** Not available.

### Personal protective equipment

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

### Personal protective measures

**Other** 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.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Not available.

**Color** Cyan

**Odor** Not available.

**Odor threshold** Not available.

**pH** 7.8 - 8.6

**Melting point/freezing point** Not available.

**Initial boiling point and boiling temperature range** Not determined

**Flash point**  $\geq 200.0$  °F ( $\geq 93.3$  °C) Pensky-Martens Closed Cup

**Evaporation rate** Not determined

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not determined

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not determined

**Vapor density**  $\geq 1$  (air = 1.0)

### Solubility(ies)

**Solubility (water)** Soluble in water

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity**  $> 2$  cp

### Other physical and chemical parameters

**Oxidizing properties** Not determined

**Specific gravity** 1 - 1.2

**VOC**  $< 167$  g/l

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.
<b>Ingestion</b>	Ingestion is not a likely route of exposure.

**Symptoms** Not available.

**Acute toxicity** Based on available data, the classification criteria are not met.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
-------------------	----------------	---------------------

2-pyrrolidone (CAS 616-45-5)

#### Acute

#### **Oral**

LD50	Rat	> 5000 mg/kg
------	-----	--------------

**Skin irritation and corrosion** Based on available data, the classification criteria are not met.  
Non irritant in rabbit (OECD 404)

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.  
Not classified as an irritant according to, OECD 405.

### Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** 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

**Aquatic toxicity** The product contains a substance which may cause long-term adverse effects in the aquatic environment.

**Ecotoxicity** No information on ecology is available.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
-------------------	----------------	---------------------

2-pyrrolidone (CAS 616-45-5)

#### **Aquatic**

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

Cyan colorant (CAS Proprietary)

#### **Aquatic**

Crustacea	EC50	Daphnia	50 - 100 mg/l, 48 Hours
-----------	------	---------	-------------------------

**Persistence and degradability** Not available.

---

**Bioaccumulative potential****Partition coefficient  
n-octanol / water (log Kow)**

2-pyrrolidone -0.85

**Bioconcentration factor (BCF)** Not available.

**Mobility in soil** Not available.

**Other adverse effects** Not available.

---

**13. Considerations on final disposal****Recommended methods for final destination**

**Residual waste** Not available.

**Contaminated packaging** Not available.

**Local disposal regulations** 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****Federal regulations**

**Colombia. Controlled Substances (Resolution No. 009 of 1987 nationally regulating the transport & use of substances in subparag. f) of article 20 of Law 30 of 1986, as amended)**

Not listed.

**Venezuela. Chemical Precursors (Official Gazette No. 34.741, List I & II)**

Not regulated.

**International regulations**

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**Montreal Protocol**

Not applicable.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

---

**16. Other information**

**Significant information, yet not specifically related to the previous sections** Not available.

**Revision information**

Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Physical & Chemical Properties  
15. Regulatory Information: United States  
HazReg Data: Pacific Rim

**Disclaimer**

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

**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



# SAFETY DATA SHEET

## 1. Identification

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***
<b>Name of the substance or mixture (trade name)</b>	C1823Series[M][3]
<b>Major recommended uses for the substance or mixture</b>	Inkjet printing
<b>Specific restrictions for use of the substance or mixture</b>	Not available.
<b>Manufacturer/Importer/Distributor information</b>	
<b>Company identification</b>	HP Colombia SAS Carrera 7 No 99-53 Torre B Pisos 7 Bogota, Colombia
<b>Telephone</b>	(57) 1 639 0000
<b>HP Inc. health effects line</b>	
<b>(Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-760-710-0048
<b>HP Inc. Customer Care Line</b>	
<b>(Toll-free within the US)</b>	1-800-474-6836
<b>(Direct)</b>	1-208-323-2551
<b>Email:</b>	hpcustomer.inquiries@hp.com

## 2. Hazards identification

<b>Classification of the substance or mixture</b>	
<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>GHS labeling elements, including precautionary statements</b>	
<b>Hazard symbol(s)</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement(s)</b>	Not available.
<b>Precautionary statement(s)</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Other hazards which do not result in classification</b>	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.
<b>GHS Supplemental information</b>	None.

## 3. Composition/information on ingredients

<b>Mixture</b>		
<b>Common chemical name or technical name</b>	<b>CAS number</b>	<b>Concentration or concentration range</b>
Water	7732-18-5	60-70



1,5-pentanediol	111-29-5	< 10
2-pyrrolidone	616-45-5	< 10
magnesium nitrate hexahydrate	10377-60-3	< 7.5
Magenta colorant	Proprietary	< 5
secondary alcohol ethoxylate	84133-50-6	<2.5

**Composition comments** This ink supply contains an aqueous ink formulation.

## 4. First-aid measures

### First-aid measures

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

**Most important symptoms/effects, acute and delayed** Not available.

**Notes to physician** Not available.

## 5. Fire-fighting measures

### Means of fire extinguishing

<b>Suitable extinguishing media</b>	For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.
<b>Unsuitable extinguishing media</b>	None known.

**Unusual fire & explosion hazards** None known.

**Specific hazards arising from the chemical** Not available.

**Protective measures taken by firefighting crews** Not available.

**Specific methods** None established.

**Hazardous combustion products** Refer to section 10.

## 6. Control measures for spills and leaks

### Personal precautions, protective equipment and emergency procedures

**To be taken by those who are not involved in rendering emergency services** Wear appropriate personal protective equipment.

**To be taken by those who are involved in rendering emergency services** Not available.

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up** Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

**Other issues relating to spills and releases** 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

**Precautions for safe handling** Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

### Control parameters

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Exposure limits have not been established for this product.

<b>Appropriate engineering controls</b>	Use in a well ventilated area. Provide adequate ventilation.
---	---

### Personal protective measures

**Eyes and face protection** Not required under intended use.

#### Skin protection

**Hand protection** Not available.

### Personal protective equipment

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

### Personal protective measures

**Other** 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.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid.

**Color** Magenta

**Odor** Not available.

**Odor threshold** Not available.

**pH** 7.8 - 8.6

**Melting point/freezing point** Not available.

**Initial boiling point and boiling temperature range** Not determined

**Flash point**  $\geq 200.0$  °F ( $\geq 93.3$  °C) Pensky-Martens Closed Cup

**Evaporation rate** Not determined

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not determined

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not determined

**Vapor density**  $\geq 1$  (air = 1.0)

### Solubility(ies)

**Solubility (water)** Soluble in water

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity**  $\geq 2$  cp

### Other physical and chemical parameters

**Oxidizing properties** Not determined

**Specific gravity** 1 - 1.2

**VOC**  $< 167$  g/l

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.
<b>Ingestion</b>	Ingestion is not a likely route of exposure.

**Symptoms** Not available.

**Acute toxicity** Based on available data, the classification criteria are not met.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
-------------------	----------------	---------------------

2-pyrrolidone (CAS 616-45-5)

#### Acute

#### **Oral**

LD50	Rat	> 5000 mg/kg
------	-----	--------------

**Skin irritation and corrosion** Based on available data, the classification criteria are not met. Non irritant in rabbit (OECD 404)

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met. Not classified as an irritant according to, OECD 405.

### Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** 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

**Aquatic toxicity** No data available for this product.

### Ecotoxicity

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
-------------------	----------------	---------------------

2-pyrrolidone (CAS 616-45-5)

#### **Aquatic**

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

**Persistence and degradability** Not available.

### Bioaccumulative potential

**Partition coefficient  
n-octanol / water (log Kow)**

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

---

<b>Bioconcentration factor (BCF)</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	Not available.

---

### 13. Considerations on final disposal

#### Recommended methods for final destination

<b>Residual waste</b>	Not available.
<b>Contaminated packaging</b>	Not available.
<b>Local disposal regulations</b>	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

#### Federal regulations

**Colombia. Controlled Substances (Resolution No. 009 of 1987 nationally regulating the transport & use of substances in subparag. f) of article 20 of Law 30 of 1986, as amended)**

Not listed.

**Venezuela. Chemical Precursors (Official Gazette No. 34.741, List I & II)**

Not regulated.

#### International regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

#### Montreal Protocol

Not applicable.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Basel Convention

Not applicable.

---

### 16. Other information

**Significant information, yet not specifically related to the previous sections** Not available.

#### Revision information

Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Physical & Chemical Properties  
Toxicological Information: Toxicological Property Data  
15. Regulatory Information: United States  
HazReg Data: Pacific Rim

## Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

## 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



# SAFETY DATA SHEET

## 1. Identification

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***
<b>Name of the substance or mixture (trade name)</b>	C1823Series[Y][3]
<b>Major recommended uses for the substance or mixture</b>	Inkjet printing
<b>Specific restrictions for use of the substance or mixture</b>	Not available.
<b>Manufacturer/Importer/Distributor information</b>	
<b>Company identification</b>	HP Colombia SAS Carrera 7 No 99-53 Torre B Pisos 7 Bogota, Colombia
<b>Telephone</b>	(57) 1 639 0000
<b>HP Inc. health effects line</b>	
<b>(Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-760-710-0048
<b>HP Inc. Customer Care Line</b>	
<b>(Toll-free within the US)</b>	1-800-474-6836
<b>(Direct)</b>	1-208-323-2551
<b>Email:</b>	hpcustomer.inquiries@hp.com

## 2. Hazards identification

<b>Classification of the substance or mixture</b>	
<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>GHS labeling elements, including precautionary statements</b>	
<b>Hazard symbol(s)</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement(s)</b>	Not available.
<b>Precautionary statement(s)</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Other hazards which do not result in classification</b>	Complete toxicity data are not available for this specific formulation.  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.

**GHS Supplemental information** None.

## 3. Composition/information on ingredients

Mixture

Common chemical name or technical name	CAS number	Concentration or concentration range
Water	7732-18-5	70-80
calcium nitrate tetrahydrate	13477-34-4	< 7.5
2-pyrrolidone	616-45-5	< 5
arylazopyrazolesulfonate salt # 1	Proprietary	< 5
Diethylene glycol	111-46-6	< 5
secondary alcohol ethoxylate	84133-50-6	<2.5

**Composition comments** This ink supply contains an aqueous ink formulation.

#### 4. First-aid measures

##### First-aid measures

<b>Inhalation</b>	Remove to fresh air. If symptoms persist, get medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	If ingestion of a large amount does occur, seek medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.
<b>Notes to physician</b>	Not available.

#### 5. Fire-fighting measures

##### Means of fire extinguishing

<b>Suitable extinguishing media</b>	For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.
<b>Unsuitable extinguishing media</b>	None known.

**Unusual fire & explosion hazards** None known.

**Specific hazards arising from the chemical** Not available.

**Protective measures taken by firefighting crews** Not available.

**Specific methods** None established.

**Hazardous combustion products** Refer to section 10.

#### 6. Control measures for spills and leaks

##### Personal precautions, protective equipment and emergency procedures

**To be taken by those who are not involved in rendering emergency services** Wear appropriate personal protective equipment.

**To be taken by those who are involved in rendering emergency services** Not available.

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up** Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

**Other issues relating to spills and releases** 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

**Precautions for safe handling** Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

### Control parameters

**Occupational exposure limits** No exposure limits noted for ingredient(s).  
**Biological limit values** No biological exposure limits noted for the ingredient(s).  
**Exposure guidelines** Exposure limits have not been established for this product.

**Appropriate engineering controls** Use in a well ventilated area.  
Provide adequate ventilation.

### Personal protective measures

**Eyes and face protection** Not required under intended use.

**Skin protection**

**Hand protection** Not available.

### Personal protective equipment

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

### Personal protective measures

**Other** 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.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

**Appearance** Liquid.  
**Physical state** Liquid.  
**Form** Not available.  
**Color** Yellow  
**Odor** Not available.  
**Odor threshold** Not available.  
**pH** 7.8 - 8.6  
**Melting point/freezing point** Not available.  
**Initial boiling point and boiling temperature range** Not determined  
**Flash point**  $\geq 200.0$  °F ( $\geq 93.3$  °C) Pensky-Martens Closed Cup  
**Evaporation rate** Not determined  
**Flammability (solid, gas)** Not available.  
**Upper/lower flammability or explosive limits**  
**Flammability limit - lower (%)** Not determined  
**Flammability limit - upper (%)** Not available.  
**Explosive limit - lower (%)** Not available.  
**Explosive limit - upper (%)** Not available.  
**Vapor pressure** Not determined  
**Vapor density**  $\geq 1$  (air = 1.0)  
**Solubility(ies)**  
**Solubility (water)** Soluble in water  
**Partition coefficient (n-octanol/water)** Not available.  
**Auto-ignition temperature** Not available.  
**Decomposition temperature** Not available.  
**Viscosity**  $\geq 2$  cp  
**Other physical and chemical parameters**  
**Oxidizing properties** Not determined



<b>Specific gravity</b>	1 - 1.2
<b>VOC</b>	< 89 g/l

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.
<b>Ingestion</b>	Ingestion is not a likely route of exposure.

**Symptoms** Not available.

**Acute toxicity** Based on available data, the classification criteria are not met.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
2-pyrrolidone (CAS 616-45-5)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
arylazopyrazolesulfonate salt # 1		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	2000 mg/kg
<b>Oral</b>		
LD50	Rat	81 mg/kg
<b>Chronic</b>		
<b>Oral</b>		
NOAEL	Rat	1 mg/kg
Diethylene glycol (CAS 111-46-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	11890 mg/kg
<b>Inhalation</b>		
<i>Aerosol</i>		
LC50	Rat	> 4.6 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	12565 mg/kg
<b>Skin irritation and corrosion</b>	Based on available data, the classification criteria are not met. Non irritant in rabbit (OECD 404)	
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.	
<b>Toxic to reproduction</b>	Based on available data, the classification criteria are not met.	

<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Other information</b>	Complete toxicity data are not available for this specific formulation

## 12. Ecological information

**Aquatic toxicity** No data available for this product.

### Ecotoxicity

Components		Species	Test Results
2-pyrrolidone (CAS 616-45-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours
arylazopyrazolesulfonate salt # 1 (CAS Proprietary)			
<b>Aquatic</b>			
Algae	IC50	Algae	<= 100 mg/l, 72 Hours
Crustacea	EC50	Daphnia	30 mg/l, 48 Hours
Fish	LC50	Fish	1000 mg/l, 96 Hours

**Persistence and degradability** Not available.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

2-pyrrolidone -0.85

**Bioconcentration factor (BCF)** Not available.

**Mobility in soil** Not available.

**Other adverse effects** Not available.

## 13. Considerations on final disposal

### Recommended methods for final destination

**Residual waste** Not available.

**Contaminated packaging** Not available.

**Local disposal regulations** 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

### Federal regulations

**Colombia. Controlled Substances (Resolution No. 009 of 1987 nationally regulating the transport & use of substances in subparag. f) of article 20 of Law 30 of 1986, as amended)**

Not listed.

---

**Venezuela. Chemical Precursors (Official Gazette No. 34.741, List I & II)**

Not regulated.

**International regulations**

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**Montreal Protocol**

Not applicable.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

---

**16. Other information**

**Significant information, yet not specifically related to the previous sections** Not available.

**Revision information**

Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Physical & Chemical Properties  
14. Transport Information: Material Transportation Information  
15. Regulatory Information: United States  
Material Attributes & Uses; Experimental Data: Physical States  
HazReg Data: Pacific Rim

**Disclaimer**

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

---

**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