

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the

preparation

C8765 Series

Use of the preparation Inkjet printing

Manufacturer information Hewlett-Packard Company

1000 NE Circle Boulevard Corvallis, OR 97330-4239 US

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199

General information telephone number

HP Customer Care Line 1-800-474-6836 (Toll-free) 1-800-474-6836 (Direct) 1-208-323-2551 **Date prepared** Aug 17, 2005

MSDS number 64123

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS number	% by weight	
7732-18-5	> 70	
616-45-5	< 10	
111-29-5	< 5	
Proprietary	< 5	
Proprietary	< 2.5	
	7732-18-5 616-45-5 111-29-5 Proprietary	7732-18-5 > 70 616-45-5 < 10 111-29-5 < 5 Proprietary < 5

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

This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard

Communication Standard).

3. HAZARDS IDENTIFICATION

Emergency overview Contact with skin and eyes may result in irritation.

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

Skin contact

1,5-pentanediol

Contact with skin may result in irritation.

2-pyrrolidone

Contact with skin may result in irritation.

Substituted diol

Contact with skin may result in irritation.

Eye contact

1,5-pentanediol

Contact with eyes may result in irritation.

2-pyrrolidone

Contact with eyes may result in irritation.

Substituted diol

Contact with eyes may result in irritation.

Inhalation

2-pyrrolidone

Inhalation may result in respiratory irritation.

Material name C8765 SERIES Creation date Sep 29, 2003

Ingestion

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

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.

CarcinogenicityNone of the components present in this formulation at concentrations equal to or greater than

0.1% are listed by EU, MAK, IARC, NTP or OSHA.

4. FIRST AID MEASURES

First aid procedures

Skin Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Eye 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.

InhalationRemove to fresh air. If symptoms persist, get medical attention.IngestionIf ingestion of a large amount does occur, seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point and method > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup

Hazardous combustion

products

Refer to section 10.

Extinguishing media Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

media

None known.

Unusual fire and explosion

hazard

None known.

Special firefighting procedures None established.

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.

Procedures if material is

released or spilled

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.

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

Material nameC8765 SERIESMSDS USCreation dateSep 29, 2003Version number 62 / 5



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values Exposure limits have not been established for this product.

Personal protective equipment

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

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

Exposure guidelines Use in a well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

pH 7.5 - 8.2

Vapor pressureNot determinedBoiling pointNot determinedSolubilitySoluble in water

Specific gravity 1 - 1.2 VOC content < 3 %

Flash point > 93.3 °C (> 200 °F)

Viscosity > 2 cp

Vapor density> 1 (air = 1.0)Evaporation rateNot determinedFlammabilityNot determinedOxidizing propertiesNot determined

Color Black

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability Stable under recommended storage conditions.

Hazardous polymerization Will not occur.

Hazardous decomposition

products

Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide,

carbon dioxide and/or low molecular weight hydrocarbons.

Incompatibility Incompatible with strong bases and oxidizing agents.

11. TOXICOLOGICAL INFORMATION

This ink formulation has not been tested for toxicological effects.

Refer to Section 3 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. TRANSPORTATION INFORMATION

General Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

Material nameC8765 SERIESMSDS USCreation dateSep 29, 2003Version number 63 / 5

IATA

Proper shipping name Not applicable Hazard class Not applicable

Packaging exceptions None Identification number (UN) None Packing group N/A

15. REGULATORY INFORMATION

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.

US federal regulations US TSCA 12(b): Contains sodium nitrite (CASRN 7632-00-0), subject to export notification

requirements.

HMIS ratings Health: 1
Flammability: 1

Flammability: 1 Physical hazard: 0

NFPA ratings Health: 1

Flammability: 1 Instability: 0

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely No

hazardous substance

Section 311 hazardous

chemical

No

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

16. OTHER INFORMATION

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation

(29 CFR 1910.1200).

Issue date Aug 17 2005 3:07PM

Revision 5

Replaces sheet dated Jul 26 2005 11:21AM

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.

Material name C8765 SERIES Creation date Sep 29, 2003

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



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the

C8766 Series

preparation

Use of the preparation Inkjet printing

Manufacturer information Hewlett-Packard Company

1000 NE Circle Boulevard Corvallis, OR 97330-4239 US

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199

General information telephone number

 HP Customer Care Line
 1-800-474-6836

 (Toll-free)
 1-800-474-6836

 (Direct)
 1-208-323-2551

 Date prepared
 Sep 06, 2005

MSDS number 67322

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component/Substance	CAS Number	% By Weight	
Cyan ink			
Water	7732-18-5	> 60	
1,5-pentanediol	111-29-5	< 10	
Ethyl alkyldiol	Proprietary	< 7.5	
2-pyrrolidone	616-45-5	< 7.5	
Substituted phthalocyanine salt #1	Proprietary	< 5	
Metal nitrate # 2	Proprietary	< 5	
Alkyldiol ethoxylate	Proprietary	< 2.5	
Magenta ink			
Water	7732-18-5	> 60	
1,5-pentanediol	111-29-5	< 10	
Ethyl alkyldiol	Proprietary	< 7.5	
2-pyrrolidone	616-45-5	< 7.5	
Substituted napthalenesulfonate salt #11	Proprietary	< 5	
Metal nitrate # 2	Proprietary	< 5	
Alkyldiol ethoxylate	Proprietary	< 2.5	
Yellow ink			
Water	7732-18-5	> 60	
1,5-pentanediol	111-29-5	< 10	
Ethyl alkyldiol	Proprietary	< 7.5	
2-pyrrolidone	616-45-5	< 7.5	
Substituted naphthalenesulfonate salt #13	Proprietary	< 7.5	
Metal nitrate # 2	Proprietary	< 5	
Alkyldiol ethoxylate	Proprietary	< 2.5	

Composition comments This ink supply contains an aqueous ink formulation.

This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard

Communication Standard).

3. HAZARDS IDENTIFICATION

Emergency overview Contact with skin and eyes may result in irritation.

Acute health effectsAny potential hazards are presumed to be due to exposure to the components.

Material nameC8766 SERIESMSDS USCreation dateNov 03, 2003Version number 51 / 5

Skin contact

1,5-pentanediol

Contact with skin may result in irritation.

2-pyrrolidone

Contact with skin may result in irritation.

Alkyldiol ethoxylate

Contact with skin may result in severe irritation.

Ethyl alkyldiol

Contact with skin may result in mild irritation.

Metal nitrate # 2

Contact with skin may result in irritation.

Substituted napthalenesulfonate salt #13

Contact with skin may result in irritation.

Eye contact

1,5-pentanediol

Contact with eyes may result in irritation.

2-pyrrolidone

Contact with eyes may result in irritation.

Alkyldiol ethoxylate

Contact can cause moderate to severe irritation and possible injury to the eyes.

Ethyl alkyldiol

Contact with eyes may result in mild irritation.

Metal nitrate # 2

Contact with eyes may result in irritation. Substituted napthalenesulfonate salt #11 Contact with eyes may result in irritation. Substituted napthalenesulfonate salt #13 Contact with eyes may result in irritation.

Inhalation

2-pyrrolidone

Inhalation may result in respiratory irritation.

Metal nitrate # 2

Inhalation may result in respiratory irritation. Substituted napthalenesulfonate salt #13 Inhalation may result in respiratory irritation.

Ingestion

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Alkyldiol ethoxylate

Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

Metal nitrate # 2

Contains nitrate salts, may cause methemoglobinemia.

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

Version number 5

Chronic health effects

None known.

Carcinogenicity

Creation date Nov 03, 2003

None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

2/5

Material name C8766 SERIES MSDS US



4. FIRST AID MEASURES

First aid procedures

Skin Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Eye 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.

InhalationRemove to fresh air. If symptoms persist, get medical attention.IngestionIf ingestion of a large amount does occur, seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point and method > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup

Hazardous combustion Refer to section 10.

products

Extinguishing media Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

media

None known.

Unusual fire and explosion

hazard

None known.

Special firefighting procedures None established.

6. ACCIDENTAL RELEASE MEASURES

Personal precautionsWear appropriate personal protective equipment.

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

Procedures if material is

released or spilled

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.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values None established.

Personal protective equipment

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

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

Exposure guidelines Use in a well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

pH 6.2 - 6.8

Vapor pressure Not determined

Boiling point Not determined

Solubility Soluble in water

Specific gravity 1 - 1.2 VOC content < 3 %

Flash point > 93.3 °C (> 200 °F)

Material nameC8766 SERIESMSDS USCreation dateNov 03, 2003Version number 53 / 5



Viscosity > 2 cp

Vapor density > 1 (air = 1.0)**Evaporation rate** Not determined **Flammability** Not determined **Oxidizing properties** Not determined

Color Cyan, magenta, yellow

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability Stable under recommended storage conditions.

Hazardous polymerization Will not occur.

Hazardous decomposition

Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. products

Incompatibility Incompatible with strong bases and oxidizing agents.

11. TOXICOLOGICAL INFORMATION

This ink formulation has not been tested for toxicological effects.

Refer to Section 3 for potential health effects and Section 4 for first aid measures.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Cyan ink

LC50/96h/Fathead minnows =< 400 mg/L

Magenta ink

LC50/96h/Fathead minnows =< 400 mg/L

Yellow ink

LC50/96h/Fathead minnows =< 400 mg/L

13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with federal, state, and local regulations. **Disposal instructions**

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. TRANSPORTATION INFORMATION

General Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

IATA

Not applicable Proper shipping name Not applicable **Hazard class**

Packaging exceptions None None Identification number (UN) N/A Packing group

15. REGULATORY INFORMATION

All chemical substances in this HP product have been notified or are exempt from notification International regulations

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.

US federal regulations US TSCA 12(b): Does not contain listed chemicals.

Material name C8766 SERIES MSDS US Creation date Nov 03, 2003 Version number 5 4/5



HMIS ratings Health: 1

Flammability: 1 Physical hazard: 0

NFPA ratings Health: 1

Flammability: 1 Instability: 0

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely

hazardous substance

Section 311 hazardous

chemical

No

No

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

16. OTHER INFORMATION

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation

(29 CFR 1910.1200).

Issue date Sep 6 2005 8:58AM

Revision 4

Replaces sheet dated Sep 6 2005 8:34AM

Disclaimer This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard

Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in

Section 1 above and may not meet regulatory requirements in other countries.

Explanation of abbreviations

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 nameC8766 SERIESMSDS USCreation dateNov 03, 2003Version number 55 / 5