



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

<b>Identification of the preparation</b>	C6658A
<b>Selectability number</b>	58
<b>Use of the preparation</b>	Inkjet printing
<b>Company identification</b>	Hewlett-Packard (Canada) Co. 5150 Spectrum Way Mississauga, Ontario Canada L4W 5G1
<b>Hewlett-Packard health effects line</b>	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
<b>General information telephone number</b>	
Canada	1-800-387-3867
HP Customer Care Line	
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
<b>Date prepared</b>	09-Jan-2006
<b>SDS number</b>	109504

## 2. Composition/information on ingredients

Component/Substance	CAS Number	% By Weight
<b>Cyan ink</b>		
Water	7732-18-5	> 70
Ethyl alkylol	Proprietary	< 15
2-pyrrolidone	616-45-5	< 7.5
1,5-pentanediol	111-29-5	< 2.5
Alkyldiol ethoxylate	Proprietary	< 2.5
Substituted phthalocyanine salt #2	Proprietary	< 2.5
<b>Black ink</b>		
Water	7732-18-5	> 70
Ethyl alkylol	Proprietary	< 15
2-pyrrolidone	616-45-5	< 7.5
1,5-pentanediol	111-29-5	< 2.5
Alkyldiol ethoxylate	Proprietary	< 2.5
<b>Magenta ink</b>		
Water	7732-18-5	> 70
Ethyl alkylol	Proprietary	< 15
2-pyrrolidone	616-45-5	< 7.5
1,5-pentanediol	111-29-5	< 2.5
Alkyldiol ethoxylate	Proprietary	< 2.5
<b>Composition comments</b>	This ink supply contains an aqueous ink formulation. The components of this product have been evaluated in accordance with the hazard criteria of the Canada Controlled Products Regulations.	

## 3. Hazards identification

<b>Emergency overview</b>	Contact with skin and eyes may result in irritation.
<b>Acute health effects</b>	Any potential hazards are presumed to be due to exposure to the components.



# MATERIAL SAFETY DATA SHEET

## 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.

## 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.

## Inhalation

### *2-pyrrolidone*

Inhalation may result in respiratory irritation.

## Ingestion

### *2-pyrrolidone*

Ingestion may result in nausea, vomiting and diarrhea.

### *Alkyldiol ethoxylate*

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

### *Substituted phthalocyanine salt # 2*

Harmful if swallowed.

## 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

#### Cyan ink:

Substituted phthalocyanine salt: Prolonged ingestion exposure may cause serious damage to health.

### Carcinogenicity

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.

## 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.

#### Inhalation

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

#### Ingestion

If ingestion of a large amount does occur, seek medical attention.



# MATERIAL SAFETY DATA SHEET

## 5. Fire-fighting measures

<b>Flash point and method</b>	> 200 °F; Pensky-Martens Closed Cup
<b>Hazardous combustion products</b>	Refer to section 10.
<b>Extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Unsuitable extinguishing media</b>	None known.
<b>Unusual fire and explosion hazard</b>	None known.
<b>Special firefighting procedures</b>	None established.

## 6. Accidental release measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Procedures if material is released or spilled.</b>	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

<b>Handling</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

<b>Exposure limit values</b>	Exposure limits have not been established for this product.
<b>Personal protective equipment</b>	
<b>General</b>	Use personal protective equipment to minimize exposure to skin and eye.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Exposure guidelines</b>	Use in a well ventilated area.

## 9. Physical and chemical properties

<b>pH</b>	7.7 - 8.3
<b>Vapour pressure</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Solubility</b>	Soluble in water
<b>Specific gravity</b>	1 - 1.2
<b>VOC content</b>	< 3 %
<b>Flash point</b>	> 200 °F
<b>Viscosity</b>	> 2 cp
<b>Vapour density</b>	> 1 (Air = 1.0)
<b>Evaporation rate</b>	Not determined
<b>Flammability</b>	Not determined
<b>Oxidising properties</b>	Not determined
<b>Color</b>	Cyan, magenta, black



# MATERIAL SAFETY DATA SHEET

## 10. Stability and reactivity

<b>Stability</b>	Stable under recommended storage conditions.
<b>Hazardous polymerisation</b>	Will not occur.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Incompatibility</b>	Incompatible with strong bases and oxidising agents.

## 11. Toxicological information

Complete toxicity data are not available for this specific formulation .  
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

### Eye irritation

*Black ink*  
Non irritant in rabbit (OECD 405)

## 12. Ecological information

### Aquatic toxicity

*Black ink*  
LC50/96h/fathead minnows < 400 mg/L  
Static acute toxicity (trout), survival (100 mg/L) = 100%  
Static acute toxicity (trout), survival (10 mg/L) = 100%

*Cyan ink*  
LC50/96h/fathead minnows < 400 mg/L  
Static acute toxicity (trout), survival (100 mg/L) = 100%  
Static acute toxicity (trout), survival (10 mg/L) = 100%

*Magenta ink*  
LC50/96h/fathead minnows < 400 mg/L  
Static acute toxicity (trout), survival (100 mg/L) = 100%  
Static acute toxicity (trout), survival (10 mg/L) = 100%

## 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.

### IATA

<b>Proper shipping name</b>	Not applicable
<b>Hazard class</b>	Not applicable
<b>Packaging exceptions</b>	None
<b>Identification number (UN)</b>	None
<b>Packing group</b>	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.

**WHMIS classification** Not a WHMIS controlled product.



# MATERIAL SAFETY DATA SHEET

<b>HMIS ratings</b>	Health: 1
	Flammability: 1
	Physical hazard: 0
<b>NFPA ratings</b>	Health: 1
	Flammability: 1
	Instability: 0

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## 16. Other information

<b>Manufacturer information</b>	Hewlett-Packard Company 1000 NE Circle Boulevard Corvallis, OR 97330-4239 US
<b>Other information</b>	This MSDS was prepared in accordance with Canada Controlled Product Regulations.
<b>Disclaimer</b>	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.
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<b>Explanation of abbreviations</b>	
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