



# SAFETY DATA SHEET

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

**Identification of the substance/preparation** CD949A  
**Use of the preparation** Inkjet printing  
**Revision Date** 08-21-2008  
**CAS #** Mixture  
**Company identification** Hewlett-Packard, Ltd.  
Cain Road, Amen Corner  
Bracknell, Berkshire, RG12 1HN  
**Emergency telephone number**  
**Poison Information Center** 0207771 5307  
**Hewlett-Packard health effects line**  
**(Toll-free within the US)** 1-800-457-4209  
**(Direct)** 1-503-494-7199  
**General information telephone number**  
1 344 36-0000  
**(Toll-free within the US)** 1-800-474-6836  
**(Direct)** 1-208-323-2551  
**Email** hpcustomerinquiries@hp.com

## 2. HAZARDS IDENTIFICATION

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

**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**  
**Carcinogenicity** None known.  
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.

**Physical hazards** Not classified as a physical hazard.  
**Health hazards** Not classified as a health hazard.  
**Environmental hazards** Not classified as an environmental hazard.  
**Other information** This product is not classified according to EU Directive 1999/45/EC.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
<b>Matte Black ink</b>				
Water	7732-18-5	< 80		
2-pyrrolidone	616-45-5	< 20	210-483-1	R36/38
1,5-pentanediol	111-29-5	< 2.5		
Ethyl alkylidol	Proprietary	< 2.5	Proprietary	
<b>Red Plus Ink</b>				
Water	7732-18-5	< 80		
2-pyrrolidone	616-45-5	< 10	210-483-1	R36/38
Alkylidol	Proprietary	< 10	Proprietary	
Diethylene glycol	111-46-6	< 10	203-872-2	Xn; R22
Triethanolamine	102-71-6	< 1	203-049-8	Xi; R36/38



# SAFETY DATA SHEET

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

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## 4. FIRST AID MEASURES

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

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## 5. FIRE-FIGHTING MEASURES

<b>Flash point and method</b>	> 93.3 °C (> 200 °F); Pensky-Martens Closed Cup <i>Matte Black ink</i> > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup <i>Red Plus Ink</i> > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam. <i>Matte Black ink</i> CO <sub>2</sub> , water, dry chemical, or foam <i>Red Plus Ink</i> Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Extinguishing media which must not be used for safety reasons</b>	None known. <i>Matte Black ink</i> None known. <i>Red Plus Ink</i> None known.
<b>Unusual fire &amp; explosion hazards</b>	None known. <i>Matte Black ink</i> Combustion generates toxic fumes of fluorides/fluorine compounds. <i>Red Plus Ink</i> None known.
<b>Hazardous combustion products</b>	Refer to section 10. <i>Matte Black ink</i> Refer to section 10. <i>Red Plus Ink</i> Refer to section 10.
<b>Specific methods</b>	None established. <i>Matte Black ink</i> None established. <i>Red Plus Ink</i> None established.

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## 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.

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## 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.



# SAFETY DATA SHEET

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Additional exposure data</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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Physical state</b>	Liquid. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Liquid.
<b>Form</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Colour</b>	Matte Black and Red <i>Matte Black ink</i> black <i>Red Plus Ink</i> Red
<b>Odour</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Odour threshold</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>pH</b>	9.2 <i>Matte Black ink</i> 9.2 <i>Red Plus Ink</i> 9.2
<b>Boiling point</b>	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined



# SAFETY DATA SHEET

<b>Flash point</b>	> 93.3 °C (> 200 °F); Pensky-Martens Closed Cup <i>Matte Black ink</i> > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup <i>Red Plus Ink</i> > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup
<b>Flammability</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
<b>Vapour pressure</b>	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
<b>Relative density</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Solubility in water</b>	Soluble in water <i>Matte Black ink</i> Soluble in water <i>Red Plus Ink</i> Soluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Viscosity</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Vapour density</b>	Not determined <i>Matte Black ink</i> > 1 (air=1) <i>Red Plus Ink</i> Not determined



# SAFETY DATA SHEET

<b>Evaporation rate</b>	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
<b>Melting point</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Freezing point</b>	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
<b>Auto-ignition temperature</b>	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
<b>Specific gravity</b>	1 - 1.11 <i>Matte Black ink</i> 1 - 1.1 <i>Red Plus Ink</i> 1 - 1.1

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Materials to avoid</b>	Not available.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Acetylene, hydrogen fluoride, fluorinated hydrocarbons, aldehydes, ketones
<b>Hazardous polymerisation</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

<b>Further information</b>	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.
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## 12. ECOLOGICAL INFORMATION

<b>Aquatic toxicity</b>	This product has not been tested for ecological effects. <i>Matte Black ink</i> LC50/96h/Fathead minnows => 750 mg/L <i>Red Plus Ink</i> This product has not been tested for ecological effects.
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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	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 <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> .
<b>Waste from residues / unused products</b>	Not available.



# SAFETY DATA SHEET

Contaminated packaging Not available.

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## 14. TRANSPORT INFORMATION

### ADR

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

Proper shipping name	not applicable
Hazard class	not applicable
UN number	None.
Packing group	N/A
Packaging exceptions	None.

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

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## 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.

**EC Label** This product does not require a label according to EU Directive 1999/45/EC.

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## 16. OTHER INFORMATION

**Manufacturer information** Hewlett-Packard Company  
1000 NE Circle Boulevard  
Corvallis, OR 97330-4239 US  
(Direct) 1-503-494-7199  
(Toll-free within the US) 1-800-457-4209

**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** 08-21-2008



# SAFETY DATA SHEET

## 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