



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

CAS # Mixture

Company identification Hewlett-Packard Hungary Ltd
Neumann Janos u. 1.
1117 Budapest
Hungary

Emergency telephone number

Poison Information Centre telephone number 06-280-6809

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209

(Direct) 1-503-494-7199

General information telephone number

Telephone 06 1-229-9999

HP Customer Care Line 06-1- 382 1111

(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

None known.

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.

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
Matte Black ink				
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	



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Red Plus Ink

Water	7732-18-5	< 80		
2-pyrrolidone	616-45-5	< 10	210-483-1	R36/38
Alkyldiol	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

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.

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 and method	> 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
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam. <i>Matte Black ink</i> CO2, water, dry chemical, or foam <i>Red Plus Ink</i> Dry chemical, CO2, water spray or regular foam.
Extinguishing media which must not be used for safety reasons	None known. <i>Matte Black ink</i> None known. <i>Red Plus Ink</i> None known.
Unusual fire & explosion hazards	None known. <i>Matte Black ink</i> Combustion generates toxic fumes of fluorides/fluorine compounds. <i>Red Plus Ink</i> None known.
Hazardous combustion products	Refer to section 10. <i>Matte Black ink</i> Refer to section 10. <i>Red Plus Ink</i> Refer to section 10.
Specific methods	None established. <i>Matte Black ink</i> None established. <i>Red Plus Ink</i> None established.



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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.

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

Additional exposure data 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Not available.
Matte Black ink
Not available.
Red Plus Ink
Not available.

Physical state Liquid.
Matte Black ink
Not available.
Red Plus Ink
Liquid.

Form Not available.
Matte Black ink
Not available.
Red Plus Ink
Not available.

Colour Matte Black and Red
Matte Black ink
black
Red Plus Ink
Red

Odour Not available.
Matte Black ink
Not available.
Red Plus Ink
Not available.

Odour threshold Not available.
Matte Black ink
Not available.
Red Plus Ink
Not available.

pH 9.2
Matte Black ink
9.2
Red Plus Ink
9.2



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Boiling point	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
Flash point	> 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
Flammability	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
Flammability limits in air, upper, % by volume	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
Flammability limits in air, lower, % by volume	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
Vapour pressure	Not determined <i>Matte Black ink</i> Not determined <i>Red Plus Ink</i> Not determined
Relative density	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
Solubility in water	Soluble in water <i>Matte Black ink</i> Soluble in water <i>Red Plus Ink</i> Soluble in water
Partition coefficient (n-octanol/water)	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.
Viscosity	Not available. <i>Matte Black ink</i> Not available. <i>Red Plus Ink</i> Not available.



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

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Materials to avoid	Not available.
Hazardous decomposition products	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
Hazardous polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

Further 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.
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12. ECOLOGICAL INFORMATION

Aquatic toxicity	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

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 .
Waste from residues / unused products	Not available.
Contaminated packaging	Not available.

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.

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.

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



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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