



SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Identification of the preparation CB305A

Selectability number 110

Use of the preparation Inkjet printing

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

Date prepared 14-Jul-2006

SDS number 154524

2. Composition/information on ingredients

Component/substance	CAS number	% by weight	EU number	EU classification
Cyan ink				
Water	7732-18-5	> 70	231-791-2	
Substituted phthalocyanine salt #5	Proprietary	< 5	Proprietary	Xi; R41
1,5-pentanediol	111-29-5	< 5	203-854-4	
Ethyl alkyldiol	Proprietary	< 5	Proprietary	
1-(2-hydroxyethyl)-2-pyrrolidone	3445-11-2	< 5	222-359-4	
Phenylenediamine derivative	Proprietary	< 2.5	Proprietary	
Magenta ink				
Water	7732-18-5	> 70	231-791-2	
Ethyl alkyldiol	Proprietary	< 10	Proprietary	
2-pyrrolidone	616-45-5	< 7.5	210-483-1	Xi; R36/38
Pyridine azo dye	Proprietary	< 5	Proprietary	Xi, N; R36, 43, 51/53
1,5-pentanediol	111-29-5	< 2.5	203-854-4	
Alkyldiol ethoxylate	Proprietary	< 2.5	Proprietary	Xn; R21/22, 38, 41
Yellow ink				
Water	7732-18-5	> 70	231-791-2	
Substituted naphthalenesulfonate salt #13	Proprietary	< 7.5	Proprietary	
2-pyrrolidone	616-45-5	< 5	210-483-1	Xi; R36/38
Ethyl alkyldiol	Proprietary	< 5	Proprietary	
Tetraethylene glycol	112-60-7	< 5	203-989-9	Xi; R36/37/38
Alkyldiol ethoxylate	Proprietary	< 2.5	Proprietary	Xn; R21/22, 38, 41

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.



SAFETY DATA SHEET

3. Hazards Identification

Classification R52/53, S61
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-(2-hydroxyethyl)-2-pyrrolidone
Contact with skin may result in irritation.
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.
Pyridine azo dye
May cause sensitization by skin contact.
Substituted naphthalenesulfonate salt #13
Contact with skin may result in irritation.
Tetraethylene glycol
Contact with skin may result in irritation.

Eye contact

1-(2-hydroxyethyl)-2-pyrrolidone
Contact with eyes may result in irritation.
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.
Pyridine azo dye
Contact with eyes may result in irritation.
Substituted naphthalenesulfonate salt #13
Contact with eyes may result in irritation.
Substituted phthalocyanine salt #5
Risk of serious damage to eyes.
Tetraethylene glycol
Contact with eyes may cause irritation.

Inhalation

1-(2-hydroxyethyl)-2-pyrrolidone
Inhalation may result in respiratory irritation.
2-pyrrolidone
Inhalation may result in respiratory irritation.
Substituted naphthalenesulfonate salt #13
Inhalation may result in respiratory irritation.
Tetraethylene glycol
Inhalation may result in respiratory irritation.



SAFETY DATA SHEET

Ingestion

1-(2-hydroxyethyl)-2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Alkyldiol ethoxylate

Ingestion may cause irritation of mouth, throat, 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

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.

Other information

This magenta ink is classified for environmental effects according to EU Directive 1999/45/EC with R52-53. The Cyan and yellow inks are not classified according to EU Directive 1999/45/EC.

4. First aid measures

First aid procedures

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.

Skin

Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

Inhalation

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

Ingestion

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

5. Fire-fighting measures

Flash point and method

> 200 °F; Pensky-Martens Closed Cup

Hazardous combustion products

Refer to section 10.

Extinguishing media

CO₂, water, dry chemical, or 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.



SAFETY DATA SHEET

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

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 and chemical properties

pH 6.5 - 8.75

Vapour pressure Not determined

Boiling point Not determined

Solubility Soluble in water

Specific gravity 1 - 1.2

VOC content < 3 %

Flash point > 200 °F

Viscosity > 2 cp

Vapour density > 1 (Air = 1.0)

Evaporation rate Not determined

Flammability Not determined

Oxidising properties Not determined.

Colour Cyan, magenta, yellow

10. Stability and reactivity

Stability Stable under recommended storage conditions.

Hazardous polymerisation 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

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.

Sensitisation

Magenta ink
Did not cause sensitization on laboratory animals. (OECD 429)
Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).



SAFETY DATA SHEET

12. Ecological information

Aquatic toxicity

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%
EC50/48h/daphnia =61 mg/L
This magenta ink is classified for environmental effects according to EU Directive 1999/45/EC with R52/53.

Yellow 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. Transport information

General

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

IATA

Proper shipping name	Not applicable
Hazard class	Not applicable
Special precautions	None.
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.

EU label

This product does not require a label according to EU Directive 1999/45/EC.
Contains pyridine azo dye. May produce an allergic reaction.

Risk phrases

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

Manufacturer information

Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, OR 97330-4239 US



SAFETY DATA SHEET

Ingredient risk phrase definition(s)

R21/22	Harmful in contact with skin and if swallowed.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other information

This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

Issue date

Jul 14 2006 8:44AM

Revision

1

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