



SAFETY DATA SHEET

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

Identification of the preparation C9461A

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 17-Apr-2007

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component/substance | CAS number | % by weight | EU number | EU classification |
|---------------------|-------------|-------------|-------------|-------------------|
| Magenta ink | | | | |
| Water | 7732-18-5 | > 60 | 231-791-2 | |
| 2-pyrrolidone | 616-45-5 | < 7.5 | 210-483-1 | R36/38 |
| Diethylene glycol | 111-46-6 | < 7.5 | 203-872-2 | Xn; R22 |
| Alkyldiol | Proprietary | < 5 | Proprietary | |
| Triethanolamine | 102-71-6 | < 1 | 203-049-8 | R36/38 |

Yellow ink

| | | | | |
|-------------------|-------------|-------|-------------|---------|
| Water | 7732-18-5 | > 70 | 231-791-2 | |
| 2-pyrrolidone | 616-45-5 | < 10 | 210-483-1 | R36/38 |
| Diethylene glycol | 111-46-6 | < 7.5 | 203-872-2 | Xn; R22 |
| Alkyldiol | Proprietary | < 5 | Proprietary | |

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.

3. HAZARDS IDENTIFICATION

Classification This product is not classified according to EU Directive 1999/45/EC.

Emergency Overview Contact with skin and eyes may result in irritation. Ingestion may result in nausea, vomiting and diarrhea. May cause sensitization of susceptible persons.

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



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Skin contact

2-pyrrolidone

Contact with skin may result in irritation.

Alkyldiol

Contact with skin may result in irritation.

Triethanolamine

Contact with skin may result in irritation. May cause sensitization of susceptible persons by skin contact.

Eye contact

2-pyrrolidone

Contact with eyes may result in irritation.

Alkyldiol

Contact with eyes may result in irritation.

Triethanolamine

Contact with eyes may result in mild irritation.

Inhalation

2-pyrrolidone

Inhalation may result in respiratory irritation.

Alkyldiol

Inhalation may result in respiratory irritation.

Triethanolamine

Inhalation may result in respiratory irritation.

Ingestion

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Diethylene glycol

Harmful if swallowed. May cause kidney and liver damage. May depress the central nervous system.

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

The magenta 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.



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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 |
| Auto ignition temperature | Not determined |
| Lower explosion limit | Not determined |
| Hazardous combustion products | Refer to section 10. |
| Extinguishing media | CO ₂ , water, dry chemical, or foam |
| Unsuitable extinguishing media | None known. |
| Unusual fire and explosion hazard | Combustion generates toxic fumes of fluorides/fluorine compounds; aldehydes; ketones. |
| 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. Remove and wash contaminated clothing before re-use. |
| Storage | Keep out of the reach of children. Keep away from excessive heat or cold. Store away from strong oxidizers. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | |
|---|---|---|
| Exposure limit values | Exposure limits have not been established for this product. | |
| United Kingdom - Workplace Exposure Limits (WELs) - TWAs | | |
| Diethylene glycol | 111-46-6 | 23 ppm TWA; 101 mg/m ³ TWA |
| United Kingdom - Workplace Exposure Limits (WELs) - STELs | | |
| Diethylene glycol | 111-46-6 | 69 ppm STEL; 303 mg/m ³ STEL |
| 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 | 9.2 - 9.4 |
| Vapour pressure | Not determined |
| Boiling point | Not determined |
| Solubility | Soluble in water |
| Specific gravity | 1 - 1.1 |



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| | |
|-----------------------------|----------------------|
| Flash point | > 93.3 °C (> 200 °F) |
| Vapour density | > 1 (air=1.0) |
| Evaporation rate | Not determined |
| Flammability | Not determined |
| Oxidising properties | Not determined |
| Colour | 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. hydrogen fluoride, fluorinated hydrocarbons, aldehydes, ketones |
| 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 aide measures.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Magenta ink
LC50/96h/fathead minnows => 750 mg/L
Yellow ink
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. 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 |
| 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.



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EU 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

Ingredient risk phrase definition(s)

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

Other information

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

Issue date

Apr 17 2007 12:22PM

Revision

1

Replaces sheet dated

Aug 17 2006 12:21PM

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 |