



Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the preparation: C6658A – No 58 Photo

Use of the preparation: Inkjet printing

Company Identification: Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, Oregon 97330-4239
United States

Emergency telephone number 1-800-457-4209 (USA and Canada)
Hewlett-Packard Health Effects Line: 503-494-7199 (USA direct)
Singapore: +001-800-332-13321

General information telephone number: 208-323-2551 (USA direct)

Local Contact Information:

Ireland
Liffey Park Technology Campus
Barnhall Road,
Leixlip, Co. Kildare
Phone: 01 6150000

United Kingdom
Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1HN
Phone: 1344 36-0000

| Hazard Rating | NFPA/HMIS |
|------------------------|-----------|
| Health | 1 |
| Flammability | 1 |
| Instability/Reactivity | 0 |
| Special | none |

2.0 Composition/Information on Hazardous Ingredients

This ink supply contains an aqueous ink formulation

For black ink formulation

| Component/Substance | CAS Number | EU Number | % by Weight | EU classification |
|-------------------------|--------------|--------------|-------------|-------------------|
| 2-Pyrrolidone | 616-45-5 | 210-843-1 | <6 | Xi; R36/37/38 |
| 1,5-Pentanediol | 111-29-5 | 203-854-4 | <5 | not classified |
| Ethyl alkyldiol | confidential | confidential | <14 | not classified |
| Alkyldiol ethoxylate #1 | confidential | confidential | <3 | Xi; R38-41 |
| Alkyldiol ethoxylate #2 | confidential | confidential | <3 | Xi; R36/38 |
| Water | 7732-18-5 | 231-791-2 | >50 | not classified |



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For cyan ink formulation

| Component/Substance | CAS Number | EU Number | % by Weight | EU classification |
|---------------------------------|--------------|--------------|-------------|------------------------|
| 2-Pyrrolidone | 616-45-5 | 210-843-1 | <8 | Xi; R36/37/38 |
| 1,5-Pentanediol | 111-29-5 | 203-854-4 | <5 | not classified |
| Ethyl alkyldiol | confidential | confidential | <14 | not classified |
| Alkyldiol ethoxylate #1 | confidential | confidential | <3 | Xi; R38-41 |
| Alkyldiol ethoxylate#2 | confidential | confidential | <3 | Xi; R36/38 |
| Substituted phthalocyanine salt | confidential | confidential | <3 | Xn; N; R22-48/22-51/53 |
| Water | 7732-18-5 | 231-791-2 | > 50 | not classified |

For magenta ink formulation

| Component/Substance | CAS Number | EU Number | % by Weight | EU classification |
|-------------------------|--------------|--------------|-------------|-------------------|
| 2-Pyrrolidone | 616-45-5 | 210-843-1 | <8 | Xi; R36/37/38 |
| 1,5-Pentanediol | 111-29-5 | 203-854-4 | <5 | not classified |
| Ethyl alkyldiol | confidential | confidential | <14 | not classified |
| Alkyldiol ethoxylate #1 | confidential | confidential | <3 | Xi; R38-41 |
| Alkyldiol ethoxylate #2 | confidential | confidential | <3 | Xi; R36/38 |
| Water | 7732-18-5 | 231-791-2 | > 50 | not classified |

3.0 Hazard Identification

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

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.



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Acute Health Hazards: Any potential hazards are presumed to be due to exposure to the components.

2-Pyrrolidone: Contact with eyes and skin may result in irritation. Inhalation may result in respiratory irritation.

Ingestion may result in nausea, vomiting, and diarrhea.

1,5-Pentenediol: Contact with eyes and skin may cause irritation. Harmful if swallowed.

Ethyl alkyldiol: Contact with eyes and skin may cause mild irritation.

Alkyldiol ethoxylate #1: Contact with eyes may result in severe irritation and corneal injury. Contact with skin may result in severe irritation. Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

Alkyldiol ethoxylate #2: Contact with eyes and skin may result in severe irritation. Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

For cyan only:

Substituted phthalocyanine salt: Harmful if swallowed.

Chronic Health Hazards: Substituted phthalocyanine salt: Prolonged ingestion exposure may cause 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.

4.0 First Aid Measures

Emergency telephone number 1-800-457-4209 (USA and Canada)

Hewlett-Packard Health Effects 503-494-7199 (USA direct)

Line: Singapore: +001-800-332-13321

Inhalation: Remove to fresh air. If symptoms persist, consult a physician.

Ingestion: If stomach upset persists, consult a physician.

Skin: Wash affected areas thoroughly with soap and water. If irritation persists, consult a physician.

Eyes: Do not rub eyes. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.

5.0 Fire Fighting Measures

Extinguishing media: Water, dry chemical, carbon dioxide, foam



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Unsuitable Extinguishing Media: None known
Special Firefighting Procedures: None known
Unusual fire and explosion hazards: No special hazards known
Auto-ignition temperature: Not determined
Flashpoint (method): > 200° F, > 93.3° C (US EPA Method 1020)
Hazardous Combustion Products: Refer to section 10

6.0 Accidental release measures

Spill or Leak Procedures: Standard eye and skin protection is recommended.
Environmental precautions: Do not discharge into drains (See also Section 13, Disposal considerations)

7.0 Handling and Storage

Storage Temperature: 59°F to 95°F; 15°C to 35°C
Handling and Storage precautions: Keep out of the reach of children. Keep away from extreme heat or cold.
Shelf Life: 1 year
Special Sensitivity: None

8.0 Exposure control/ personal protection

Exposure Limit Values: None established
Exposure Controls: Standard eye and skin protection for laboratory chemical safety is recommended. Use in well ventilated area.

9.0 Physical and chemical properties

pH: 7.7 - 8.3 for black, cyan and magenta ink
Boiling point: Not Determined
Flash point: > 200° F, > 93.3° C
Flammability: US NFPA/HMIS Flammability rating = 1
Explosive properties: Not applicable
Oxidizing properties: Not applicable
Vapor Pressure: Not applicable
Relative density: Specific Gravity 1.0 to 1.2
Solubility: Soluble in water



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EU Notification: All ingredients are listed on EINECS and/or ELINCS or exempt.

EU Hazard Label (1999/45/EC): This product does not require a label according to EU Directive 1999/45/EC.

16.0 Other information

Date Prepared: August 5, 2002

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Number:

Revision Information: This document replaces all prior versions of the MSDS

EU Risk (R) Phrase definitions: R22: Harmful if swallowed
R38: Irritating to skin
R41: Risk of serious damage to eyes
R36/38: Irritating to eyes and skin
R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/37/38: Irritating to eyes, respiratory system and skin.

Other Information: This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA Hazard Communication Standard (29CFR1910.1200).

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS 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.