



Product Safety Information Sheet

General environmental and safety information for consumers

1. Product and Company Identification

1.1 Identification of the preparation

C4821A – No. 80 cyan
C4846A – No. 80 cyan
C4872A – No. 80 cyan
C4891A – No. 80 cyan

1.2 Company undertaking identification

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

1.3 Emergency telephone number

Hewlett-Packard Health Effects Line
1-800-457-4209 (USA and Canada) or
Intl +1-503-494-7199 (all other areas)

1.4 General information telephone number

1-208-323-2551 (USA and Canada)
Intl +1-208-323-2551 (all other areas)

Hazard rating	NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	none

2. Composition/information on ingredients

This ink cartridge contains an aqueous ink formulation.

Component	CAS No.	% by weight	Workplace Limits (PEL, TLV)
2-pyrrolidone	616-45-5	<10	not established
succinic acid	110-15-6	<10	not established
trade secret materials	not specified	balance	not established
nitrates	not specified	<0.5	not established
Water	7732-18-5	>60	not established



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3. Hazards Identification

3.1 Primary Routes of Exposure
skin, eye, oral, and inhalation

3.2 Acute Health Hazards

Skin: May cause slight skin irritation characterized by redness and swelling after prolonged contact. Indications may be masked by color of ink.

Eye: May be mildly irritating.

Oral: May cause stomach upset. Contains nitrates (refer to sections 4 and 11).

Inhalation: Prolonged inhalation may result in irritation to the respiratory tract.

3.3 Chronic Health Hazards

None noted

3.4 Carcinogenicity

None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by ACGIH, EPA, EU, MAK, IARC, NTP, or OSHA as a carcinogen.

4. First Aid Measures

4.1 Emergency First Aid Procedures

Call the HEWLETT-PACKARD HEALTH EFFECTS LINE at 1-800-457-4209
(Intl + 1-503-494-7199 outside USA and Canada).

First aid for skin

Wash affected areas thoroughly with soap and water. Clothing should be laundered before reuse. **Seek medical attention if skin irritation persists.**

First aid for eyes

Contact with eyes may cause mild irritation. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. **Seek medical attention if eye irritation persists.**

First aid for ingestion

Ingestion of ink may cause stomach upset. Call the HEWLETT-PACKARD HEALTH EFFECTS LINE. **Seek medical attention if stomach upset persists.**
(Contains nitrates, refer to section 11).

First aid for inhalation

Remove to fresh air.



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5. Fire Fighting Measures

Flash point: > 212 °F; >100 °C	Auto-ignition temperature: not determined
Extinguishing media: Water, dry chemical, carbon dioxide, foam	Special fire fighting procedures: none
Unusual fire and explosion hazards: no special hazards known	

6. Accidental release measures

Spill or Leak Procedures

No special procedures are indicated. Use absorbent towels to wipe up ink. Rinse area with damp cloth to remove remaining traces of ink.

7. Handling and storage

No special handling or storage required.

KEEP OUT OF THE REACH OF CHILDREN

Storage temperature: 59° – 95 °F; 15° – 35 °C	Shelf life: 1 year
Handling and storage precautions: do not use inkjet cartridge when frozen. Ensure inkjet cartridge exterior is dry before inserting into printer.	Special sensitivity: none

8. Exposure control / personal protection

No special eye or skin protection is needed for cleanup of spills. Standard eye and skin protection for laboratory chemical safety is required.

9. Physical and chemical properties

Appearance: cyan (blue) liquid	Physical state: liquid at room temperature
Boiling point: not applicable	Specific gravity: 1.06 g/ml
pH: 3.5 - 4.5	Solvent content: <25%
Solubility in water: soluble	Vapor density: >1 (air = 1.0)
Odor: not applicable	Vapor pressure: not applicable

10. Stability and reactivity

Stability: stable under normal storage conditions	Thermal decomposition products: Oxides of carbon and nitrogen, water
Incompatibilities: Strong oxidizers, strong bases, chlorine bleach and other	Hazardous polymerization: none



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chlorine-containing cleaning agents.	
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11. Toxicological information

Refer to sections 3. Hazards Identification and 4. First Aid Measures

This product contains nitrates.

- Nitrates and their derivatives can cause methemoglobinemia and result in respiratory depression. Primary indicators of prolonged overexposure include shortness of breath, headaches, dizziness and cyanosis (bluish skin and lips).

12. Ecological information

96 hour LC50: <500 mg/L

13. Disposal considerations

Dispose in accordance with all applicable federal, state and local laws. The ink in this product contains copper and/or copper compounds at a maximum total copper concentration of 1%. Special waste management requirements may apply in California.

14. Transport information

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

15. Regulatory information

For EU: According to EU Directive 88/379/EEC, this product is not classified as dangerous and therefore no hazard label is required.

For USA: All components listed on TSCA inventory.

Contains no substances listed on the TSCA 12(b) Export Notification.

16. Other Information

Date prepared: January 31, 2001.

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Sections revised: 10.0 & 14.0

DISCLAIMER: This Product Safety Information Sheet is offered without charge to the customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation 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.