



Product Safety Information Sheet

General environmental and safety information for consumers

1. Product and Company Identification

1.1 *Identification of the preparation*

C4801A – No. 10 cyan

C4841A – No. 10 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 |



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.



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 chlorine-containing cleansers. | Hazardous polymerization: none |

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

No data available

13. Disposal considerations

Dispose in accordance with all applicable federal, state and local laws

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.