



Product Safety Information Sheet

General environmental and safety information for consumers

1. Product and Company Identification

1.1 Product identification

No. 81 cyan ink
C4931A
C4951A
C4991A

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
Health	1
Flammability	1
Reactivity	0
Special	None

2. Composition/Information on Ingredients

Component	CAS No.	% by weight	workplace limits (PEL,TLV)
2-pyrrolidone	616-45-5	<5	not established
1,6-hexanediol	629-11-8	<10	not established
trade secret chemicals	NA	<10	not established
water	7732-18-5	balance	not established

NA – not applicable



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 cause irritation

Oral
May cause stomach upset.

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

3.3 *Chronic Health Hazards:* none noted

3.4 *Carcinogenicity*
This ink formulation does not contain any component identified as a carcinogen by ACGIH, EPA, EU, IARC, MAK or OSHA at a concentration of 0.1 percent or higher.

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. If skin irritation persists, get medical attention. 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.

First aid for inhalation

Remove to fresh air.



5. Fire Fighting Measures

flash point: > 200 °F (> 93 °C)	Autoignition 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

KEEP OUT OF THE REACH OF CHILDREN

Storage temperature: Room temperature.	shelf life: 1 year
Handling and storage precautions: keep container closed. 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 Characteristics

Appearance: cyan liquid	Physical state: liquid at room temperature
Boiling point: ND	Specific gravity: ND
pH: 7.5	Solvent content: <15%
solubility in water: soluble	Vapor density: >ND (air=1.0)
odor: ND	Vapor pressure: ND

ND= Not Determined



10. Reactivity

Stability: Stable under normal storage conditions	Thermal decomposition products: Oxides of carbon; oxides of nitrogen; and oxides of sulfur; acetylene; hydrogen fluoride
incompatibilities: strong oxidizers	Hazardous polymerization: none

11. Toxicological Information

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

12. Ecological Information

No data available

13. Disposal Considerations

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

14. Transportation Information

Not a regulated substance under DOT or IATA

15. Regulatory Information

According to EU Directive 88/379/EEC, this product is not classified as dangerous and therefore no hazard label is required. For other countries, including the USA, no product label would be required.

EPA TSCA Inventory: All ingredients are listed.

EPA TSCA 12(b): Contains isopropanol (CAS No.: 67-63-0).

Contains no chemicals listed on California Proposition 65.

16. Other Information

Date prepared: September 4 2000

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.

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