



## 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

<b>flash point:</b> > 200 °F (> 93 °C)	<b>Autoignition temperature:</b> Not determined
<b>Extinguishing media:</b> water, dry chemical, carbon dioxide, foam	<b>Special fire fighting procedures:</b> None
<b>Unusual fire and explosion hazards:</b> 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

<b>Storage temperature:</b> Room temperature.	<b>shelf life:</b> 1 year
<b>Handling and storage precautions:</b> keep container closed. Do not use inkjet cartridge when frozen. Ensure inkjet cartridge exterior is dry before inserting into printer.	<b>special sensitivity:</b> 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

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

ND= Not Determined





## 10. Reactivity

<b>Stability:</b> Stable under normal storage conditions	<b>Thermal decomposition products:</b> Oxides of carbon; oxides of nitrogen; and oxides of sulfur; acetylene; hydrogen fluoride
<b>incompatibilities:</b> strong oxidizers	<b>Hazardous polymerization:</b> 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.

