



## Product Safety Information Sheet

*General environmental and safety information for consumers*

### 1. Product and Company Identification

#### 1.1 Product identification

No. 81 yellow ink  
C4933A  
C4953A  
C4993A

#### 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><br>Not determined |
| <b>Extinguishing media:</b><br>water, dry chemical, carbon dioxide, foam | <b>Special fire fighting procedures:</b><br>None   |
| <b>Unusual fire and explosion hazards:</b><br>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> yellow 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><br>Stable under normal storage conditions | <b>Thermal decomposition products:</b><br>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.

