



## Product Safety Information Sheet

General environmental and safety information for consumers

### 1. Product and Company Identification

#### 1.1 Identification of the preparation

C4823A – No.80 yellow

C4848A – No.80 yellow

C4873A – No.80 yellow

C4893A – No.80 yellow

#### 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             |
| nitrites               | not specified | <0.5        | not established             |
| water                  | 7732-18-5     | balance     | 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

|                                                                          |                                                     |
|--------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Flash point:</b><br>>212 °F; >100 °C                                  | <b>Auto-ignition 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

No special handling or storage required.

### KEEP OUT OF THE REACH OF CHILDREN

|                                                                                                                                                          |                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Storage temperature:</b> 59° – 95 °F; 15° – 35 °C                                                                                                     | <b>Shelf life:</b> 1 year        |
| <b>Handling and storage precautions:</b> 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 properties

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

## 10. Stability and reactivity

|                                                                                                                    |                                                                                |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Stability:</b> stable under normal storage conditions                                                           | <b>Thermal decomposition products:</b><br>Oxides of carbon and nitrogen, water |
| <b>Incompatibilities:</b> Strong oxidizers, strong bases, chlorine bleach and other chlorine-containing cleansers. | <b>Hazardous polymerization:</b> none                                          |



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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. 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.