



Product Safety Information Sheet
General environmental and safety information for consumers

1. Product and Company Identification

1.1 *Product identification*

C6578 series – No. 78 ink (cyan, magenta and 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 (in USA and Canada)
Intl +1-208-323-2551 (all other areas)

Hazard rating	NFPA
Health	1
Flammability	2
Reactivity	0
Special	none

2. Composition/information on ingredients

For cyan, magenta and yellow ink formulations

Component	CAS number	% by weight	workplace limits (PEL, TLV)
1,5-pentanediol	111-29-5	<10	not established
2-pyrrolidone	616-45-5	<10	not established
2-ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	<10	not established
nitrate compounds	not specified	<8	not established
trade secret materials	not specified	<5	not established
colorants	not specified	<7	not established
water	7732-18-5	balance	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 which can cause methaemoglobinaemia and respiratory depression. (For additional information, refer to Section 11.0)

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

3.3 *Chronic Health Hazards*

None noted

3.4 *Carcinogenicity*

No substance in this ink formulation is a listed carcinogen according to ACGIH, EPA, EU, IARC, MAK and OSHA criteria.

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 3.0 and 11.0).**

First aid for inhalation

Remove to fresh air.



5. Fire Fighting Measures

Flash point: >141° F, >61 °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: -20° – 60 °C	Shelf life: 24 months
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 Characteristics

Appearance: cyan, magenta, or yellow liquid	Physical state: liquid at room temperature
Boiling point: not applicable	Specific gravity: 1.06 - 1.07 g/ml
pH: 6.6 – 8.5	Solvent content: <41%
Solubility in water: soluble	Vapor density: >1 (air=1.0)
Odor: not applicable	Vapor pressure: not applicable



10. Reactivity

Stability: stable under normal storage conditions	Thermal decomposition products: oxides of carbon and nitrogen, water
Incompatibilities: strong oxidizers, strong bases, bleach and other hypochlorite-containing cleaning agents	Hazardous polymerization: none

11. Toxicological Information

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

The ink formulation 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.

Waste classifications based on aquatic toxicity testing:

- California- hazardous
- Washington- non hazardous
- EU- non hazardous

14. Transportation Information

Not a regulated substance under DOT or IATA or ADR or RID

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.

Contains no chemical required by the State of California for listing under Proposition 65.

Contains no chemical subject to EPA TSCA 12(b).

All components are in the TSCA inventory.



**Product Safety Information Sheet
C6578 series – No. 78 Color**

16. Other Information

Date prepared: July 25, 2000.

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Sections revised: 3.0 and 4.0.

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.