

**Product Safety Information Sheet**  
*The Product Safety Information Sheet for this article provides  
general environmental and safety information for consumers*

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Date of issue: August 1, 1997

Version:0001

N/A = not applicable    N/Av = not available

## ***Hewlett-Packard Company***

**1. Identification of the preparation and of the company**

**1.1 Identification of the preparation**

Trade name      **HP 51633A**      (Ink Cartridge for DeskJet / DeskWriter / DeskJet Portable)

**1.2 Company identification**

Hewlett-Packard Company

1000 N.E. Circle Boulevard

Corvallis, OR 97330-4239

Telephone: 208 323-2551

**1.3 Emergency telephone number**

Hewlett-Packard Healthline

Telephone: int+1 503 494-7199 outside USA

int+1 800 457-4209 in USA

Hazard Rating	NFPA	HMIS
Health	1	1
Flammability	2	2
Reactivity	0	0

**2. Composition/information on ingredients**

This product contains a preparation in a cartridge. It is an aqueous solution of several specific compounds of an ink formulation.

Component	CAS Number	% by weight	Workplace Limits (PEL, TLV)
Trade Secret Colorants	Not Specified	<5	Not established
2-Pyrrolidone	616-45-5	< 10	Not established
Trade Secret Organic Materials	Not Specified	<5	Not established
Water	7732-18-5	Balance	Not established

**2.1 Additional information**

None

**3. Possible Hazards**

**3.1 Hazards identification**

No particular hazards known.

**3.2 Critical hazards to humans**

May cause slight skin irritation characterized by redness and swelling after prolonged contact. May cause stomach upset after ingestion. May cause mild eye irritation.

**3.3 Critical hazards to the environment**

No particular hazards known.

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4. **First aid measures - Call Hewlett-Packard Healthline**
- 4.1 **General information**  
Remove clothing that is soaked with liquid.
- 4.2 **after inhalation**  
N/A
- 4.3 **after contact with skin**  
After contact of liquid with skin wash off immediately with soap and water.
- 4.4 **after contact with eyes**  
After contact of liquid with eyes immediately flush with large amounts of clean, lukewarm (low pressure) water for at least 15 minutes and seek medical advice.
- 4.5 **after ingestion**  
After ingestion of liquid call physician immediately. Call Hewlett-Packard Healthline.
- 4.6 **Information for the physician**
- |                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| <b>Symptoms</b>  | See Section 3.                                                           |
| <b>Hazards</b>   | Frequent and persistent contact with the skin can cause mild irritation. |
| <b>Treatment</b> | Do not induce vomiting. Treat symptomatically.                           |
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5. **Fire-fighting measures**
- 5.1 **Suitable extinguishing media**  
Water spray jet, foam, carbon dioxide, dry powder.
- 5.2 **Extinguishing media which must not be used for safety reasons**  
Full water jet.
- 5.3 **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**  
Carbon monoxide, carbon dioxide, sulfur oxides, nitrogen oxides.  
Emits toxic fumes under fire conditions.
- 5.4 **Special protective equipment for firefighters**  
Use breathing apparatus.
- 5.5 **Further information**  
Use water spray to cool fire-exposed containers. Do not inhale combustion gases.
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6. **Accidental release measures**
- 6.1 **Personal precautions**  
(See also section 8., Personal protection)  
Ensure adequate ventilation.
- 6.2 **Environmental precautions**  
(See also section 13., Disposal considerations)  
Do not discharge into the sewer.
- 6.3 **Methods for cleaning up / taking up**  
Clean up spilled liquid with absorbent material.  
Send in suitable containers for recovery or disposal.

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7. **Handling and storage** (National measures see sections 15. and 16.)
- 7.1 **Handling**  
*Advice on safe handling*  
Handle with care. Avoid release of liquid from the cartridge.  
*Advice on protection against fire and explosion*  
No special measures necessary.
- 7.2 **Storage**  
*Requirements for storage rooms and vessels*  
No special measures necessary.  
*Advice on storage compatibility*  
Liquid: do not store together with explosive substances.  
*Further information on storage conditions* None.  
*Storage class (for Germany only)* LGK 10.
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8. **Exposure controls / personal protection**
- 8.1 **Personal protective equipment (for liquid ink)**  
**Respiratory protection:** N/A  
**Hand protection:** Safety gloves.  
**Eye protection:** Safety glasses.  
**Body protection:** N/A  
**General protective measures and hygiene measures:**  
Avoid contact of liquid with eyes and skin. Do not inhale vapors.  
Change clothing soaked with liquid immediately.
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9. **Physical and chemical properties**
- 9.1 **Appearance (liquid ink)**  
**Physical state:** liquid      **Color:** black      **Odor:** N/Av
- 9.2 **Data relevant to safety**  
pH (as supplied): 8.3 - 8.7      (of an aqueous solution): N/Av  
Flash point (°C), c.c.: > 61  
Solubility in water: miscible  
Content of solvent: 5-10%
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10. **Stability and reactivity**
- 10.1 **Conditions to avoid / materials to avoid**  
If product is heated above decomposition temperature, toxic vapors may be released.
- 10.2 **Hazardous decomposition products**  
Nitrogen oxides, sulfur oxides, carbon monoxide, carbon dioxide.
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11. **Toxicological information**
- 11.1 **Toxicological examination**  
Sensitization test: negative (analogous to product with a similar composition).
- 11.2 **Experiences made in practice**  
May cause mild irritation when in contact with skin or eyes.
- 11.3 **General remarks**  
This product has not been tested. This information is derived from a product of similar composition.  
Based on those test results, this product does not require a hazard warning label in accordance with EC directives / German regulations on dangerous substances.
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12. **Ecological information**  
This product has not been tested.  
**Behavior in sewage plants**  
This product has not been tested.

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### 13. Disposal considerations

#### 13.1 *Product / unused product*

Recommendation: Consultation with the disposal agency and the relevant authorities.

#### 13.2 *Contaminated packaging*

Recommendation: Consultation with the disposal agency and the relevant authorities.

Recommended cleansing agent: water

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### 14. Transport information

#### 14.1 *Road transport ADR / RID / GGVS / GGVE*

Not dangerous good according to the regulations above.

#### 14.2 *Marine transport IMDG-Code*

Not dangerous good according to the regulation above.

#### 14.3 *Air transport ICAO / IATA-DGR*

Not dangerous good according to the regulation above.

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### 15. Regulatory information

This product is considered an article. This article does not require a hazardous warning label.

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### 16. Other information

#### 16.1 *Keeping (restrictions)*

N/A (for Germany only)

Recommended use

ink

Distribution to

industry consumer, private consumer

#### 16.2 *Technical contact point*

USA / Hewlett Packard General Information, Telephone: int+1 208 323-2551

#### 16.3 *This information is based on our present state of knowledge. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application.*

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