

Product Safety Information Sheet

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

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 51633M** (Ink Cartridge for DeskJet Portable, 310, 320, 340 DeskWriter 310, 320)

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.

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*

Symptoms See Section 3.

Hazards Frequent and persistent contact with the skin can cause mild irritation.

Treatment Do not induce vomiting. Treat symptomatically.

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.

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.

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.

8. Exposure controls / personal protection

8.1 Additional advice on system design

None.

8.2 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.

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%		

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.

11. Toxicological information

11.1 Toxicological examination

Sensitization test: negative (analogous to product with a similar composition).

11.2 Experiences made in practice

Frequent and persistent contact of liquid with the skin can cause mild irritation.

11.3 General remarks

This product has not been tested. This information is derived from a product of similar composition. Based on these test results, this product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

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

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.

15. Regulatory information

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

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.
