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11.3.18.1 V1.0

51633M black

invent

Product Safety Information Sheet

General environmental and safety information for consumers

1. Product and Company Identification

1.1 *Identification of the preparation*
51633M black ink.

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	2
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)
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

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3. Hazards Identification

3.1 *Primary Routes of Exposure*
skin, eye, oral, and inhalation

3.2 *Acute Health Hazards*

Skin: Ink may cause slight skin irritation characterized by redness and swelling after prolonged contact. Indications may be masked by color of ink.

Eye: Ink may be mildly irritating.

Oral: May cause stomach upset after ingestion.

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

3.3 *Chronic Health Hazards*
None noted.

3.4 *Carcinogenicity*
No component is a listed carcinogen according to ACGIH, EPA, EU, MAK, IARC, NTP, or 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. Seek medical advice and then 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

Flash point: >200°F, >93°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

No special handling or storage required.

KEEP OUT OF THE REACH OF CHILDREN

Storage temperature: 59° – 95 °F; 15° – 35 °C	**Shelf life**: 1 year
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 properties

Appearance: black liquid	**Physical state:** liquid at room temperature
pH: 8.3 - 8.7	**Solvent content:** <10%
Solubility in water: soluble	**Vapor density:** >1 (air = 1.0)
Odor: not applicable	**Vapor pressure:** not applicable

10. Stability and reactivity

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

11. Toxicological information

Refer to sections 3. Potential Health Effects and 4. First Aid Measures

This product has been tested.
Skin sensitization test: negative.

12. Ecological information

No data available

13. Disposal considerations

Dispose in accordance with all applicable federal, state and local laws

14. Transport information

Not a regulated article 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.

16. Other Information

Date prepared: March 27, 2001.
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Section revised: 5.0

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 product as described or suitability for a particular application.