



# Material Safety Data Sheet

## 1.0 Product and Company Identification

**Identification of the preparation:** **C9368 Series – No 100 Black, medium grey, and light grey Inkjet printing**

**Use of the preparation:**

**Company Identification:** Hewlett-Packard Company  
1000 NE Circle Boulevard  
Corvallis, Oregon 97330-4239  
United States

**Emergency telephone number** 1-800-457-4209 (USA and Canada)  
**Hewlett-Packard Health Effects Line:** 503-494-7199 (USA direct)  
Singapore: +001-800-332-13321

**General information telephone number:** 208-323-2551 (USA direct)

**Local Contact Information:**

**Ireland**  
Liffey Park Technology Campus  
Barnhall Road,  
Leixlip, Co. Kildare  
Phone: 01 6150000

**United Kingdom**  
Hewlett-Packard, Ltd.  
Cain Road, Amen Corner  
Bracknell, Berkshire, RG12 1HN  
Phone: 1344 36-0000

Hazard Rating	NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	none

## 2.0 Composition/Information on Hazardous Ingredients

This ink supply contains an aqueous ink formulation  
*For black ink formulation*

Component/Substance	CAS Number	EU Number	% by Weight	EU classification
2-Pyrrolidone	616-45-5	210-843-1	<8	Xi; R36/37/38
1,5-Pentanediol	111-29-5	203-854-4	<5	not classified
Ethyl alkyldiol	confidential	confidential	<14	not classified
Alkyldiol ethoxylate	confidential	confidential	<4	Xn; R21/22-38-41
Water	7732-18-5	231-791-2	>50	not classified



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## For medium grey ink formulation

Component/Substance	CAS Number	EU Number	% by Weight	EU classification
2-Pyrrolidone	616-45-5	210-843-1	<8	Xi; R36/37/38
1,5-Pentanediol	111-29-5	203-854-4	<5	not classified
Ethyl alkyldiol	confidential	confidential	<14	not classified
Alkyldiol ethoxylate	confidential	confidential	<4	Xn; R21/22-38-41
Water	7732-18-5	231-791-2	> 50	not classified

## For light grey ink formulation

Component/Substance	CAS Number	EU Number	% by Weight	EU classification
2-Pyrrolidone	616-45-5	210-843-1	<8	Xi; R36/37/38
1,5-Pentanediol	111-29-5	203-854-4	<5	not classified
Ethyl alkyldiol	confidential	confidential	<14	not classified
Alkyldiol ethoxylate	confidential	confidential	<4	Xn; R21/22-38-41
Water	7732-18-5	231-791-2	> 50	not classified

### 3.0 Hazard Identification

The black, medium grey, and light grey inks are not classified according to EU Directive 1999/45/EC.

**Routes of Exposure:** Potential routes of overexposure to this product are skin and eye contact.

Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Complete toxicity data are not available for this specific formulation.

**Acute Health Hazards:** Any potential hazards are presumed to be due to exposure to the components.

2-Pyrrolidone: Contact with eyes and skin may result in irritation. Inhalation may result in respiratory irritation.

Ingestion may result in nausea, vomiting, and diarrhea.

1,5-Pentanediol: Contact with eyes and skin may cause irritation.

Ethyl alkyldiol: Contact with eyes and skin may cause mild irritation.

Alkyldiol ethoxylate: Contact with eyes may result in severe irritation and corneal injury. Contact with skin may result in severe irritation. Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.



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**Chronic Health Hazards:** None known

**Carcinogenicity:** None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

## 4.0 First Aid Measures

**Emergency telephone number** 1-800-457-4209 (USA and Canada)

**Hewlett-Packard Health Effects** 503-494-7199 (USA direct)

**Line:** Singapore: +001-800-332-13321

**Inhalation:** Remove to fresh air. If symptoms persist, consult a physician.

**Ingestion:** If stomach upset persists, consult a physician.

**Skin:** Wash affected areas thoroughly with soap and water. If irritation persists, consult a physician.

**Eyes:** Do not rub eyes. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.

## 5.0 Fire Fighting Measures

**Extinguishing media:** Water, dry chemical, carbon dioxide, foam

**Unsuitable Extinguishing** None known

**Media:**

**Special Firefighting** None known

**Procedures:**

**Unusual fire and explosion** No special hazards known

**hazards:**

**Auto-ignition temperature:** Not determined

**Flashpoint (method):** > 200° F, > 93.3° C (US EPA Method 1020)

**Hazardous Combustion** Refer to section 10

**Products:**

## 6.0 Accidental release measures

**Spill or Leak Procedures:** Standard eye and skin protection is recommended.

**Environmental precautions:** Do not discharge into drains (See also Section 13, Disposal considerations)



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## 7.0 Handling and Storage

**Handling and Storage precautions:** Keep out of the reach of children.  
Keep away from extreme heat or cold.

**Special Sensitivity:** None

## 8.0 Exposure control/ personal protection

**Exposure Limit Values:** None established

**Exposure Controls:** Standard eye and skin protection for laboratory chemical safety is recommended. Use in well ventilated area.

## 9.0 Physical and chemical properties

**pH:** 8.0 – 9.0 for black, medium grey, and light grey ink

**Boiling point:** Not determined

**Flash point:** > 200° F, > 93.3° C

**Flammability:** US NFPA/HMIS Flammability rating = 1

**Explosive properties:** Not applicable

**Oxidizing properties:** Not applicable

**Vapor Pressure:** Not applicable

**Relative density:** Specific Gravity 1.0 to 1.2

**Solubility:** Soluble in water

**Partition coefficient:** Not determined

**Viscosity:** Not determined

**Vapor density:** >1 (air = 1.0)

**Evaporation rate:** Not determined

**Other:** Not applicable

## 10.0 Stability and reactivity

**Stability:** Stable under normal storage conditions

**Incompatibilities:** Strong oxidizers and bases

**Thermal decomposition products:** Oxides of carbon/nitrogen/sulfur, water

**Hazardous polymerization:** None

## 11.0 Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures  
These ink formulations have not been tested.



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## 12.0 Ecological information

Black, Medium Grey and Light Grey Ink Formulations:

Static Acute Toxicity

Survival (400 mg/L) = 0% Fathead Minnow

Survival (100 mg/L) = 100% Trout

Survival (10 mg/L) = 100% Trout

## 13.0 Disposal considerations

Dispose in accordance with all applicable US Federal, state, local, and country laws.

## 14.0 Transportation information

Not a regulated article under United States DOT, IATA, ADR, or RID.

**UN Number:** Not applicable

**Class:** Not applicable

**Proper Shipping Name:** Not applicable

**Packing Group:** Not applicable

**Marine Pollutant:** Not listed

**Special Precautions:** None noted

## 15.0 Regulatory information

**US EPA TSCA Inventory:** All ingredients are listed or exempt.

**US EPA TSCA 12(b):** Does not contain listed chemicals.

**EU Notification:** All ingredients are listed on EINECS and/or ELINCS or exempt.

**EU Hazard Label (1999/45/EC):** This product does not require a label according to EU Directive 1999/45/EC.

## 16.0 Other information

**Date Prepared:** June 9, 2004

**HP-DMS Document Control** 09000de780271f94-eng

**Number:**

**Revision Information:**

**EU Risk (R) Phrase definitions:** R21/22: Harmful in contact with skin and if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R38: Irritating to skin  
R41: Risk of serious damage to eyes



# Material Safety Data Sheet

**Other Information:** This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA Hazard Communication Standard (29CFR1910.1200).

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS 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.