

HP 11 Maginta Printhead

1. Product and Company Identification

Material name
Use of the preparation

C4812A

Inkjet printing

Version #

04

Revision date

02-14-2009

CAS#

Mixture

Company identification

Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185

**United States** 

Telephone 650-857-1501

Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209

(Direct) 1-503-494-7199 HP Customer Care Line

(Toll-free within the US) 1-800-474-6836

(Direct) 1-208-323-2551

Email: hpcustomerinquiries@hp.com

**Date prepared** 

Feb 14, 2009

#### 2. Hazards Identification

**Emergency overview** 

Contact with skin and eyes may result in irritation.

Acute health effects

Any potential hazards are presumed to be due to exposure to the components.

Skin contact

1,5-pentanediol

Contact with skin may result in irritation.

2-pyrrolidone

Contact with skin may result in irritation.

Alkyldicarboxylic acid

Contact with skin may result in irritation.

Tetraethylene glycol

Contact with skin may result in irritation.

Eye contact

1,5-pentanediol

Contact with eyes may result in irritation.

2-pyrrolidone

Contact with eyes may result in irritation.

Alkyldicarboxylic acid

Contact can cause moderate to severe irritation and possible injury to the eyes.

Substituted xanthylium salt #1

Contact with eyes may result in mild irritation.

Tetraethylene glycol

Contact with eyes may cause irritation.

Inhalation

2-pyrrolidone

Inhalation may result in respiratory irritation.

Alkyldicarboxylic acid

Inhalation may result in respiratory irritation.

Tetraethylene glycol

Inhalation may result in respiratory irritation.

Material name C4812A Creation date Apr 30, 2003



Ingestion

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Alkyldicarboxylic acid

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential health effects

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

Chronic health effects

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.

## 3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Water	7732-18-5	< 80
1,5-pentanediol	111-29-5	< 20
2-pyrrolidone	616-45-5	< 10
Alkyldicarboxylic acid	Proprietary	< 10
Tetraethylene glycol	112-60-7	< 10
Substituted xanthylium salt #1	Proprietary	< 2.5
Composition comments	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard	

Communication Standard).

## 4. First Aid Measures

First aid procedures

Eye contact Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for

at least 15 minutes or until particles are removed. If irritation persists get medical attention.

Skin contact

Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

Remove to fresh air. If symptoms persist, get medical attention. Inhalation If ingestion of a large amount does occur, seek medical attention. Ingestion

## 5. Fire Fighting Measures

Flash point and method

> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup

Hazardous combustion

products

Refer to section 10.

Flammable properties

None known. Extinguishing media

Suitable extinguishing

media

Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

Special firefighting procedures

media

None known.

Unusual fire and explosion

None known.

hazard

None established.

#### 6. Accidental Release Measures

Personal precautions

Wear appropriate personal protective equipment.

**Environmental precautions** 

Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Material name C4812A Creation date Apr 30, 2003



Methods for containment

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay,

sand or diatomaceous earth, commercial sorbents, or recover using pumps.

Methods for cleaning up

Other information

Soak up with inert absorbent material.

Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations.

See also section 13 Disposal considerations.

7. Handling and Storage

Handling

Avoid contact with skin, eyes and clothing.

Storage

Keep out of the reach of children. Keep away from excessive heat or cold.

8. Exposure Controls / Personal Protection

**Exposure guidelines** 

Exposure limits have not been established for this product.

Personal protective equipment

General

Use personal protective equipment to minimize exposure to skin and eye.

General hygeine considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color

Magenta

Odor threshold

Not available.

Physical state

Liquid.

pН

3.8 - 4.2

**Melting point** Freezing point Not available.

**Boiling point** 

Not available. Not determined

Flash point

> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup

**Evaporation rate** 

Not determined

**Flammability** 

Not available.

Flammability limits in air,

upper, % by volume

Not available.

Flammability limits in air.

lower, % by volume

Not determined

Vapor pressure

Not determined

Vapor density

> 1 (air = 1.0)

1 - 1.2

Specific gravity Relative density

Not available.

Solubility (water)

Soluble in water

Partition coefficient

Not available.

(n-octanol/water)

Not available.

**Auto-ignition temperature Decomposition temperature** 

Not available.

VOC

< 3 %

**Viscosity** 

> 2 cp

10. Chemical Stability & Reactivity Information

Chemical stability

Stable under recommended storage conditions.

Incompatible materials

Incompatible with strong bases and oxidizing agents.

Material name C4812A Creation date Apr 30, 2003



Hazardous decomposition

products

Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Will not occur.

Possibility of hazardous

reactions

#### 11. Toxicological Information

Not available.

### 12. Ecological Information

**Aquatic toxicity** 

LC50/96h/Fathead minnows =417 mg/L

Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%

Persistence and degradability Not available.

#### 13. Disposal Considerations

Disposal instructions

Dispose of in compliance with federal, state, and local regulations.

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

#### 14. Transport Information

#### IATA

Proper shipping name

Not applicable

Hazard class

Not applicable

**UN** number

None

Packing group

N/A

Packaging exceptions

None

Packaging non bulk

None

Labels required

None

General

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

### 15. Regulatory Information

**US federal regulations** 

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

#### CERCLA (Superfund) reportable quantity

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely

No

hazardous substance

Section 311 hazardous

No

chemical International regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South

Korea, New Zealand, and China.

#### State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-pyrrolidone (616-45-5)

Listed.

Material name C4812A Creation date Apr 30, 2003



16. Other Information

HMIS® ratings Health: 1

Flammability: 0

Physical hazard: 0

NFPA ratings Health: 1

Flammability: 0

Instability: 0

Issue date Feb 14 2009 3:32PM

Revision

Replaces sheet dated Feb 5 2009 4:28PM

Disclaimer This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard

Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document 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. This document was prepared to the requirements of the jurisdiction specified in

Section 1 above and may not meet regulatory requirements in other countries.

**Explanation of abbreviations** 

ACGIH American Conference of Governmental Industrial Hygienists

CAS Chemical Abstracts Service

CERCLA Comprehensive Environmental Response Compensation and Liability Act

CFR Code of Federal Regulations

COC Cleveland Open Cup

**DOT** Department of Transportation

EPCRA Emergency Planning and Community Right-to-Know Act (aka SARA)

IARC International Agency for Research on Cancer

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

RCRA Resource Conservation and Recovery Act

REC Recommended

REL Recommended Exposure Limit

SARA Superfund Amendments and Reauthorization Act of 1986

STEL Short-Term Exposure Limit

TCLP Toxicity Characteristics Leaching Procedure

TLV Threshold Limit Value

TSCA Toxic Substances Control Act
VOC Volatile Organic Compounds

Manufacturer information Hewlett-Packard Company

1000 NE Circle Boulevard Corvallis, OR 97330-4239 US (Direct) 1-503-494-7199

(Toll-free within the US) 1-800-457-4209

Material name C4812A Creation date Apr 30, 2003