

1. PRODUCT AND COMPANY IDENTIFICATION

Material name C4812A

Product use Inkjet printing

Version # 04

Revision date 02-14-2009
CAS # Mixture

Company identification Hewlett-Packard (Canada) Co.

5150 Spectrum Way Mississauga, Ontario

Canada L4W 5G1

Telephone 1-800-387-3867

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

Poison Information Centre telephone number

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.

Alkoxy ether phosphate

Contact with skin may result in severe 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.

Alkoxy ether phosphate

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.

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Inhalation 2-pyrrolidone

Inhalation may result in respiratory irritation.

Alkoxy ether phosphate

Inhalation may result in respiratory irritation.

Alkyldicarboxylic acid

Inhalation may result in respiratory irritation.

Tetraethylene glycol

Inhalation may result in respiratory irritation.

Ingestion 2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Alkoxy ether phosphate

Irritating to mouth, throat, and stomach.

Alkyldicarboxylic acid

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

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 | < 100 |
| 1,5-pentanediol | 111-29-5 | < 30 |
| 2-pyrrolidone | 616-45-5 | < 7 |
| Alkyldicarboxylic acid | Proprietary | < 7 |
| Tetraethylene glycol | 112-60-7 | < 5 |
| Substituted xanthylium salt #1 | Proprietary | < 1.5 |
| Composition comments | This ink supply contains an aqueous ink formulation | |

Composition comments This ink supply contains an aqueous ink formulation.

The components of this product have been evaluated in accordance with the hazard criteria of

the Canada Controlled Products Regulations.

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.

InhalationRemove to fresh air. If symptoms persist, get medical attention.IngestionIf ingestion of a large amount does occur, seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point and method > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup

Hazardous combustion

products

Refer to section 10.

Flammable properties None known.

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Extinguishing media

Suitable extinguishing

media

Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

media

None known.

Unusual fire and explosion

hazard

None known.

None established. Special firefighting procedures

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear appropriate personal protective equipment.

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

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

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

Methods for cleaning up Soak up with inert absorbent material.

Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or Other information

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 limits have not been established for this product. **Exposure guidelines**

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 AND CHEMICAL PROPERTIES

Color Magenta

Odour threshold Not available.

Physical state Liquid. 3.8 - 4.2

pН Melting point Not available. Freezing point Not available. **Boiling point** Not determined

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

Not determined **Evaporation rate** Not available. **Flammability** Not available. Flammability limits in air,

upper, % by volume

Flammability limits in air, lower, % by volume

Not determined

Not determined Vapor pressure > 1 (air = 1.0)Vapor density Specific gravity 1 - 1.2

Not available. Relative density Solubility (water) Soluble in water



Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide,

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature Not available.

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.

Hazardous decomposition

products

Possibility of hazardous

carbon dioxide and/or low molecular weight hydrocarbons.

Will not occur.

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

WHMIS status Non-controlled

16. OTHER INFORMATION

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

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HMIS® ratings Health: 1

Flammability: 0

Physical hazard: 0

NFPA ratings Health: 1

Flammability: 0 Instability: 0

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Revision 4

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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

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