

# SAFETY DATA SHEET

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the

preparation

CZ110Series

Use of the

substance/preparation

Inkjet printing

Version No.

03

Revision date

20-Sep-2012

CAS#

Mixture

**Company identification** 

Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN Telephone 1 344 36-0000

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: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** Contact with skin and eyes may result in irritation.

Causes skin 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.

Aliphatic diol

Contact with skin may result in irritation. Copper phthalocyanine direct dye salt Contact with skin may result in irritation.

Ethyl alkyldiol

Contact with skin may result in mild irritation.

Metal nitrate #2

Contact with skin may result in irritation.

Substituted diol

Contact with skin may result in irritation.

Eye contact

1,5-pentanediol

Contact with eyes may result in irritation.

Aliphatic diol

Contact with eyes may result in irritation. Copper phthalocyanine direct dye salt Contact with eyes may result in irritation.

Risk of serious damage to eyes.

Ethyl alkyldiol

Contact with eyes may result in mild irritation.

Metal nitrate #2

Contact with eyes may result in irritation.

Substituted diol

Contact with eyes may result in irritation.

Inhalation

Aliphatic diol

Inhalation may result in respiratory irritation.

Metal nitrate #2

Inhalation may result in respiratory irritation.

Material name: CZ110Series SDS UK
12597 Version No.: 03 Revision date: 20-Sep-2012 Print date: 20-Sep-2012 1 / 5

Ingestion Metal nitrate #2

Contains nitrate salts, may cause methemoglobinemia.

**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.

Other information This blue ink is not classified according to EU Directive 1999/45/EC.

Classification Not classified.

**Physical hazards** Not classified as a physical hazard. **Health hazards** Not classified as a health hazard.

**Environmental hazards** Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS				
Components	CAS#	Percent	EC-No.	Classification
1,5-pentanediol	111-29-5	< 7.5	203-854-4	
Aliphatic diol	Proprietary	< 7.5	Proprietary	
Ethyl alkyldiol	Proprietary	< 7.5	Proprietary	
Copper phthalocyanine direct dye salt	Proprietary	< 5	Proprietary	Xi;R41, R52/53
Metal nitrate #2	Proprietary	< 5	Proprietary	O;R8, Xi;R36/37/38
Substituted diol	2163-42-0	< 5	412-350-5	
Water	7732-18-5	> 65	231-791-2	

**Composition comments** This ink supply contains an aqueous ink formulation.

This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and

1999/45/EC, as amended.

For the full text of the R phrases mentioned in this Section, see Section 16.

# 4. FIRST-AID MEASURES

**Inhalation** Remove to fresh air. If symptoms persist, get medical attention.

Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

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

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

**Ingestion** If ingestion of a large amount does occur, seek medical attention.

General advice No additional information

# **5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media Dry chemical, CO2, water spray or regular foam.

**Extinguishing media which** must not be used for safety reasons

None known.

**Unusual fire & explosion** hazards

None known.

Specific methods

None established. Refer to section 10.

**Hazardous combustion** products

# **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** 

Material name: CZ110Series SDS UK **Containment procedures** 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

Soak up with inert absorbent material.

Other information 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

Additional exposure data Exposure limits have not been established for this product.

**Exposure controls** Use in a well ventilated area.

Occupational exposure controls

General Use personal protective equipment to minimize exposure to skin and eye. **Hygiene measures** Handle in accordance with good industrial hygiene and safety practices.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Liquid. **Physical state** Liquid

Not available. Form

Colour Cyan

Odour Not available. **Odour threshold** Not available. 7 - 7.5 pН

**Boiling point** Not determined

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

Flammability limits in air,

upper, % by volume

Not available.

Flammability limits in air,

lower, % by volume

Not determined

Vapour pressure Not determined **Relative density** Not available. Soluble in water Solubility (water) **Partition coefficient** Not available

(n-octanol/water)

**Viscosity** Not available. Vapour density Not available **Evaporation rate** Not determined **Melting point** Not available. Freezing point Not available. **Auto-ignition temperature** Not determined Specific gravity Not determined VOC < 269 g/l

# 10. STABILITY AND REACTIVITY

**Hazardous decomposition** 

products

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

dioxide and/or low molecular weight hydrocarbons.

Stability Stable under recommended storage conditions.

Materials to avoid Incompatible with strong bases and oxidizing agents.

**Hazardous polymerisation** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

Serious eye damage/eye

irritation

Not available.

**Further information** This ink formulation has not been tested for toxicological effects.

Refer to Section 2 for potential health effects and Section 4 for first aide measures.

Material name: CZ110Series SDS UK 12597 Version No.: 03 Revision date: 20-Sep-2012 Print date: 20-Sep-2012

### 12. ECOLOGICAL INFORMATION

**Aquatic toxicity** EC50/72h/algae =>100 gm/l

EC50/48h/daphnia =>100 mg/L

#### 13. DISPOSAL CONSIDERATIONS

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

#### 14. TRANSPORT INFORMATION

**Further information** 

Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

**ADR** 

Not regulated as dangerous goods.

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

#### 15. REGULATORY INFORMATION

Labeling

**Contains** 1,5-pentanediol, Aliphatic diol, Copper phthalocyanine direct dye salt, Ethyl alkyldiol, Metal nitrate

#2, Substituted diol, Water

EC label This product does not require a label according to EU Directive 1999/45/EC.

S-phrase(s) S2 Keep out of the reach of children.

All chemical substances in this HP product have been notified or are exempt from notification Regulatory information

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.

### **16. OTHER INFORMATION**

Wording of the R-phrases in

sections 2 and 3

R8 Contact with combustible material may cause fire.

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

Other information This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

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

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.

**Issue date** 20-Sep-2012

This data sheet contains changes from the previous version in section(s):

**ECOLOGICAL INFORMATION: Ecotoxicity** ECOLOGICAL INFORMATION: Aquatic toxicity REGULATORY INFORMATION: Other information

**Manufacturer information** Hewlett-Packard Company 3000 Hanover Street

Palo Alto, California 94304-1112 US

(Direct) 1-503-494-7199

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

Material name: CZ110Series SDS UK 4/5

12597 Version No.: 03 Revision date: 20-Sep-2012 Print date: 20-Sep-2012

### **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: <value>** Toxicity Characteristics Leaching Procedure

**TLV** Threshold Limit Value

TSCA Toxic Substances Control Act
VOC Volatile Organic Compounds

Material name: CZ110Series SDS UK