



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Identification of the preparation** CH142Series

**Synonym(s)** HP SC100 Magenta Ink

**Product use** Inkjet printing

**Version #** 02

**Revision date** 30-Apr-2012

**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: hpcustomer.inquiries@hp.com

## 2. Hazards Identification

**Emergency overview** Harmful by inhalation and in contact with skin. Contact with skin and eyes may result in irritation. Inhalation may result in respiratory irritation.

**Acute health effects**

**Skin contact** Avoid contact with skin.  
Harmful in contact with skin.

**Eye contact** Avoid contact with eyes.  
Contact with eyes may result in irritation.

**Inhalation** Avoid breathing vapors or mists of this product.  
Harmful if inhaled.

**Ingestion** May be harmful if swallowed.

**Potential health effects**

**Routes of exposure** Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation

**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

Components	CAS #	Percent
2-(2-ethoxyethoxy)ethyl Acetate	112-15-2	<2.5
2-Butoxyethyl acetate	112-07-2	>40
2-methoxy-1-methylethylacetate	108-65-6	<10
Cyclohexanone	108-94-1	<10

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## 4. First Aid Measures

### First aid procedures

<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
<b>Skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed.
<b>Inhalation</b>	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
<b>Ingestion</b>	Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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## 5. Fire Fighting Measures

### Extinguishing media

**Suitable extinguishing media** For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide.  
For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.

### Protection of firefighters

**Protective equipment and precautions for firefighters** Move containers from fire area if you can do it without risk.  
Avoid runoff into storm sewers and ditches which lead to waterways.

**Special protective equipment for fire-fighters** Firefighters should wear full protective clothing including self contained breathing apparatus.

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## 6. Accidental Release Measures

### Personal precautions

Avoid contact with skin. Avoid inhalation of vapors or mists.  
Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition.  
Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.

### Environmental precautions

Do not flush into surface water or sanitary sewer system.

### Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### Other information

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

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## 7. Handling and Storage

### Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.  
Use with adequate ventilation.  
Wear personal protective equipment.

### Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

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## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

##### Components

	Type	Value
2-Butoxyethyl acetate (112-07-2)	TWA	20.0000 ppm
Cyclohexanone (108-94-1)	BEI	8.0000 mg/l
		80.0000 mg/l
	STEL	50.0000 ppm
	TWA	20.0000 ppm

#### U.S. - OSHA

##### Components

	Type	Value
Cyclohexanone (108-94-1)	PEL	50.0000 ppm
		200.0000 mg/m3

**U.S. - Tennessee****Components****Type****Value**

Cyclohexanone (108-94-1)	TWA	25.0000 ppm 100.0000 mg/m3
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**U.S. - WEEL****Components****Type****Value**

2-methoxy-1-methylethylacetate (108-65-6)	TWA	50.0000 ppm
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**Personal protective equipment**

<b>Eye / face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
<b>Skin protection</b>	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.
<b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>General hygiene considerations</b>	Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.

**9. Physical & Chemical Properties**

<b>Appearance</b>	Not available.
<b>Color</b>	Magenta
<b>Odor</b>	Solvent.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	152.6 °F (67 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	708 g/L
<b>Other information</b>	For other VOC regulatory data/information see section 15.

**10. Chemical Stability & Reactivity Information**

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Possibility of hazardous reactions</b>	None known.

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## 11. Toxicological Information

### Carcinogenicity

#### ACGIH Carcinogens

2-Butoxyethyl acetate (CAS 112-07-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Cyclohexanone (CAS 108-94-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)	3 Not classifiable as to carcinogenicity to humans.
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#### IARC Monographs: Evidence of carcinogenicity in humans

Cyclohexanone (CAS 108-94-1)	No data.
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**Serious eye damage/eye irritation** Not available.

### Sensitization

#### US ACGIH Threshold Limit Values: Skin designation

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
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### Symptoms and target organs

#### Target Organs (NIOSH)

2-Butoxyethyl acetate (CAS 112-07-2)	Blood Central Nervous System Eyes Hemato system Kidneys Liver Lymphoid system Respiratory system Skin
Cyclohexanone (CAS 108-94-1)	Central Nervous System Eyes Kidneys Liver Respiratory system Skin

**Further information** Complete toxicity data are not available for this specific formulation

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## 12. Ecological Information

**Ecotoxicity** No information available.

**Aquatic toxicity** No information available.

**Persistence and degradability** Not available.

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## 13. Disposal Considerations

**Disposal instructions** Do not dispose of together with general office waste.  
Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
Ensure collection and disposal with an appropriately licensed waste contractor.

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## 14. Transport Information

### DOT

#### Basic shipping requirements:

<b>UN number</b>	NA1993
<b>Proper shipping name</b>	Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) -Not regulated in quantities less than 119 gallons
<b>Hazard class</b>	Combustible
<b>Packing group</b>	III
<b>Additional information:</b>	
<b>ERG number</b>	128

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.

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**15. Regulatory Information**

**US federal regulations** US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

**CERCLA (Superfund) reportable quantity**

None

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

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

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**State regulations****US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Cyclohexanone (CAS 108-94-1) Listed.

**Regulatory information** Notified according to EU Regulations.

**Other information** Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).  
Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).  
VOC content (less water, less exempt compounds) = < 708 g/L (U.S. requirement, not for emissions)

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**16. Other Information**

**Other information** This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

**HMIS® ratings** Health: 2  
Flammability: 2  
Physical hazard: 1  
Personal protection: B

**NFPA ratings** Health: 2  
Flammability: 2  
Instability: 1

**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.

**Issue date**

30-Apr-2012

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

This document has undergone significant changes and should be reviewed in its entirety.

**Manufacturer information**

Hewlett-Packard Company  
3000 Hanover Street  
Palo Alto, California 94304-1112 US  
Product Information 1-800-925-0563

**Explanation of abbreviations**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCPLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds