1. Product and Company Identification

Material name: CN928 Series
Version #: 04
Issue date: 23-Apr-2010
Revision date: 21-Nov-2013
Product use: Inkjet printing
Synonym(s): HP Scitex XL100 Classic Light Cyan Ink
Company identification:
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States
Telephone 650-857-5020
Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
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

Potential health effects

Skin: Harmful if absorbed through the skin. Contact with skin may result in irritation and Harmful if absorbed through the skin.

Inhalation: Harmful if inhaled. Inhalation may result in respiratory irritation.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate</td>
<td>112-07-2</td>
<td>&lt;80</td>
</tr>
<tr>
<td>Propylene Glycol Monomethyl Ether Acetate</td>
<td>108-65-6</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
<td>&lt;15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl chloride-vinyl acetate copolymer</td>
<td>Proprietary</td>
<td>&lt;5</td>
</tr>
<tr>
<td>High Molecular Weight Copolymer</td>
<td>Mixture</td>
<td>&lt;2.5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

General advice: No information

First aid procedures

Eye contact: In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists get medical attention. Remove and isolate contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.

Inhalation: Move to fresh air. If symptoms persist, get medical attention.

Ingestion: If swallowed, seek medical advice immediately and show this container or label.

Notes to physician: Treat symptomatically.
5. Fire Fighting Measures

**Flammable properties**
None known.

**Extinguishing media**

- **Suitable extinguishing media**
  - CO2, water, dry chemical, or foam

- **Unsuitable extinguishing media**
  - Do not use a solid water stream as it may scatter and spread fire.

**Fire fighting equipment/instructions**
Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products**
Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

**Personal precautions**
Ensure adequate ventilation.

**Methods for cleaning up**
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

**Other information**
Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

7. Handling and Storage

**Handling**
Avoid breathing vapors or mists of this product. Avoid contact with skin, eyes and clothing. Do not taste or swallow. Keep away from heat, sparks and open flame - No smoking. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage**
Store in accordance with local/regional/national/international regulation. Keep in a well-ventilated place. Keep container closed when not in use.

8. Exposure Controls / Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>STEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>PEL</td>
<td>200 mg/m3</td>
</tr>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>100 mg/m3</td>
</tr>
</tbody>
</table>

**U.S. - NIOSH Material**

<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN928 Series</td>
<td>REL</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 ppm</td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
<td>---------</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Monomethyl Ether Acetate (CAS 108-65-6)</td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
</tbody>
</table>

**US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA</td>
<td>100 mg/m3</td>
</tr>
</tbody>
</table>

**Exposure guidelines**

None established.

**US. ACGIH Threshold Limit Values**

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**Engineering controls**

Use in a well ventilated area.

Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

**Personal protective equipment**

- **Eye / face protection**
  - Avoid contact with eyes
  - Wear safety glasses; chemical goggles (if splashing is possible).

- **Skin protection**
  - Use personal protective equipment to minimize exposure to skin and eye.

- **General hygiene considerations**
  - Keep away from food and drink. Wash hands before breaks and at the end of workday.

**9. Physical & Chemical Properties**

- **Appearance**
  - Liquid.

- **Physical state**
  - Not available.

- **Form**
  - Not available.

- **Color**
  - Light Cyan

- **Odor**
  - Not available.

- **pH**
  - Not available.

- **Vapor pressure**
  - Not determined.

- **Boiling point**
  - 331.88 °F (166.6 °C) Estimated

- **Melting point/Freezing point**
  - Not available.

- **Solubility (water)**
  - Not available.

- **Specific gravity**
  - Not available.

- **Flash point**
  - 159.80 °F (71.00 °C) Setaflash Closed Tester

- **VOC**
  - < 933 g/L

- **Other information**
  - For other VOC regulatory data/information see Section 15.

**10. Chemical Stability & Reactivity Information**

- **Chemical stability**
  - Stable at normal conditions

- **Conditions to avoid**
  - No information available

- **Incompatible materials**
  - Strong oxidizing agents Strong acids and strong alkalis. oxidizing agents

- **Hazardous decomposition products**
  - None known.

- **Possibility of hazardous reactions**
  - Will not occur.
11. Toxicological Information

<table>
<thead>
<tr>
<th>Toxicological data</th>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>1500 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>2400 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Mouse</td>
<td>754 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

**Carcinogenicity**

- ACGIH Carcinogens
  - 2-BUTOXYETHYL ACETATE (EGBEA) (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.
  - Vinyl chloride-vinyl acetate copolymer (CAS Proprietary) 3 Not classifiable as to carcinogenicity to humans.

12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicological data</th>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas)</td>
<td>481 - 578 mg/l, 96 hours</td>
<td></td>
</tr>
</tbody>
</table>

**Ecotoxicity**

This product has not been tested for ecological effects.

**Persistence and degradability**

Not available.

**Bioaccumulation / Accumulation**

- Bioaccumulative potential
  - Octanol/water partition coefficient log Kow
    - Cyclohexanone 0.81

13. Disposal Considerations

**Waste codes**

- US RCRA Hazardous Waste U List: Reference
  - Cyclohexanone (CAS 108-94-1) U057

**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.

14. Transport Information

**DOT**

- Basic shipping requirements:
  - UN number NA1993
  - Proper shipping name Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate) -Not regulated in quantities less than 119 gallons
Hazard class: Combustible
Packing group: III

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

RID
Not regulated as dangerous goods.

15. Regulatory Information

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

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated.

DEA Exempt Chemical Mixtures Code Number
Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA (Superfund) reportable quantity
Cyclohexanone: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

Other information
VOC content (less water, less exempt compounds) = < 933 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

Other 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. New Jersey RTK - Substances: Listed substance
Cyclohexanone (CAS 108-94-1) Listed.
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) Listed.

US. Massachusetts RTK - Substance List
Cyclohexanone (CAS 108-94-1)

US. Pennsylvania RTK - Hazardous Substances
Cyclohexanone (CAS 108-94-1) Listed.

US. Rhode Island RTK
Cyclohexanone (CAS 108-94-1)

16. Other Information

HMIS® ratings
Health: 2
Flammability: 2
Physical hazard: 1
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.

Other information

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

Issue date

23-Apr-2010

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

Composition / Information on Ingredients: Ingredients
9. Physical & Chemical Properties: Other information
15. Regulatory Information: Other regulations
15. Regulatory Information: Other information

Manufacturer information

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
(Direct) +972 (9) 892-4628

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