MATERIAL SAFETY DATA SHEET

1. Product and Company Identification
Identification of the preparation: CN966 Series
Synonym(s): HP Scitex DS100 Cyan Ink
Product use: Inkjet printing
Version #: 03
Revision date: 31-Mar-2011
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
Acute health effects:
- Skin contact: Harmful if absorbed through the skin.
- Inhalation: Harmful if inhaled.

3. Composition / Information on Ingredients
Components | CAS # | Percent
--- | --- | ---
Dye(s) | Trade Secret | 10 - 15
Copolymer | Trade Secret | 7.5 - 10
Additives | Trade Secret | 5 - 6
2-Butoxyethyl acetate | 112-07-2 | >75

4. First Aid Measures
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**: Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Specific methods

Water mist may be used to cool closed containers.

Hazardous combustion products

Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

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. Avoid contact of this material with heat, oxidizing agents, and acids.

Storage

Store in accordance with local/regional/national/international regulation.

Keep in a well-ventilated place. Keep container closed when not in use. Store this product in air-tight containers away from sources of heat and light.

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>2-Butoxyethyl acetate (112-07-2)</td>
<td>TWA</td>
<td>20.0000 ppm</td>
</tr>
</tbody>
</table>

Exposure guidelines

None established.

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.

9. Physical & Chemical Properties

Appearance

Liquid.

Color

Cyan

Odor

Not available.

Odor threshold

Not available.

Physical state

Liquid

Form

Not available.

pH

Not applicable.

Melting point

Not available.

Freezing point

Not determined.

Boiling point

Not determined.

Flash point

141.8 °F (60.5 °C) (Closed Cup)

Evaporation rate

Not determined.

Flammability limits in air, upper, % by volume

Not available.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.94  @ 20 Degrees C</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>VOC</td>
<td>&lt; 850 g/L</td>
</tr>
<tr>
<td>Other information</td>
<td>VOC content (less water, less exempt compounds) = &lt; 850 g/L (U.S. requirement, not for emissions)</td>
</tr>
</tbody>
</table>

### 10. Chemical Stability & Reactivity Information

**Chemical stability** Stable at normal conditions

**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

**Carcinogenicity**

- **ACGIH Carcinogens**
  - 2-Butoxyethyl acetate (CAS 112-07-2) A3 Confirmed animal carcinogen with unknown relevance to humans.

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

**Serious eye damage/eye irritation** Not available.

**Skin sensitization** Not available.

**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

### 12. Ecological Information

**Ecotoxicity** This product has not been tested for ecological effects.

**Persistence and degradability** Not available.

### 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.

### 14. Transport Information

**DOT**

- **Basic shipping requirements:**
- **UN number** NA1993
Proper shipping name: Combustible liquid n.o.s. (butyl cellosolve acetate) - Not regulated in quantities less than 119 gallons

Hazard class: Combustible

Packing group: III

Additional information:

ERG number: 128

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.

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 - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
Yes

Regulatory information
Notified according to EU Regulations.

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

NFPA ratings
Health: 2
Flammability: 2
Instability: 1

Disclaimer
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Issue date
31-Mar-2011

Manufacturer information
HP Scitex
8b Hatzoran Street
New Industrial Area
P.O.Box 8743
Netanya 42505 IL
(Direct) +972 (9) 892-4628
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
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<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response Compensation and Liability Act</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>COC</td>
<td>Cleveland Open Cup</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EPCRA</td>
<td>Emergency Planning and Community Right-to-Know Act (aka SARA)</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
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<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
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<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>REC</td>
<td>Recommended</td>
</tr>
<tr>
<td>REL</td>
<td>Recommended Exposure Limit</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act of 1986</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>TCLP</td>
<td>Toxicity Characteristics Leaching Procedure</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>VOC</td>
<td>Volatile Organic Compounds</td>
</tr>
</tbody>
</table>