1. Product and Company Identification

Material name: CN901Series
Version #: 03
Issue date: 04-Mar-2013
Revision date: 10-Dec-2013
Product use: Inkjet printing
Synonym(s): HP XP210 Light Cyan Scitex 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

- Eyes
  - Irritating to eyes.

- Skin
  - May cause sensitization by skin contact. Irritating to skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

- Inhalation
  - Irritating to respiratory system. Inhalation may cause drowsiness or dizziness.

- Ingestion
  - May be harmful if swallowed.

Other hazards

- Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-vinylcaprolactam</td>
<td>2235-00-9</td>
<td>10 - 25</td>
</tr>
<tr>
<td>Tridecyl Acrylate</td>
<td>3076-04-8</td>
<td>10 - 25</td>
</tr>
<tr>
<td>Alkyl Acrylate Ester</td>
<td>26570-48-9</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Diphenyl (2,4,6-trimethylbenzoyl) phosphine</td>
<td>75980-60-8</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Benzophenone Derivative</td>
<td>119-61-9</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>123-86-4</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>1-Butanone, 2-(dimethylamino)-1-[4-(4-morpholinyl)phenyl]-2- (phenylmethyl)-</td>
<td>119313-12-1</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>multifunctional acrylate</td>
<td>Proprietary</td>
<td>25 - 40</td>
</tr>
</tbody>
</table>

4. First Aid Measures

General advice: No information
First aid procedures

**Eye contact**
Do not rub eyes. Remove contact lenses, if present and easy to do. 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**
Remove contaminated clothing. Wash affected area with mild soap and water. Do not use solvents to remove product residues from skin. If irritation persists get medical attention.

**Inhalation**
Move to fresh air. Keep victim warm. If symptoms persist, get medical attention.

**Ingestion**
If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

5. Fire Fighting Measures

**Flammable properties**
None known.

**Extinguishing media**

- **Suitable extinguishing media**
  Dry chemical, foam, carbon dioxide, water fog.

- **Unsuitable extinguishing media**
  Do not use water jet.

**Protection of firefighters**

- **Specific hazards arising from the chemical**
  Fire will produce dense black smoke containing hazardous combustion products (see section 10).

- **Protective equipment and precautions for firefighters**
  Avoid runoff into storm sewers and ditches which lead to waterways.

**Fire fighting equipment/instructions**
Not available.

6. Accidental Release Measures

**Personal precautions**
Remove all sources of ignition. Ensure adequate ventilation. Avoid inhalation of vapors or mists. Wear appropriate personal protective equipment.

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

**Methods for cleaning up**
Clean with detergents. Avoid solvents.

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

7. Handling and Storage

**Handling**
Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Avoid breathing dusts from this material.

- The product should only be used in areas from which all naked lights and other sources of ignitor have been excluded. Electrical equipment should be protected to the appropriate standard.

- Take precautionary measures against static discharges. Ground and bond containers when transferring material. Wear shoes with conductive soles.

- Keep container closed. Keep away from heat, sparks and open flame - No smoking. Use non-sparking tools when opening or closing containers.

- Avoid contact with skin, eyes and clothing. Do not breathe gas/fumes/vapor/spray.

- Do not use pressure to empty drums.

- Wash hands before eating.

- Do not empty into drains.
Storage

- Keep at temperatures between 5 and 35°C.
- Store in accordance with local/regional/national/international regulation.
- Keep in cool, well-ventilated place away from ignition sources, oxidizing agents, strong alkalis, and strong acids.
- Store in a closed container away from incompatible materials. Store in upright position only. Store in a place accessible by authorized persons only.

8. Exposure Controls / Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate (CAS 123-86-4)</td>
<td>STEL</td>
<td></td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td></td>
<td>150 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate (CAS 123-86-4)</td>
<td>PEL</td>
<td></td>
<td>710 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>150 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate (CAS 123-86-4)</td>
<td>STEL</td>
<td></td>
<td>950 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td></td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. AIHA Workplace Environmental Exposure Level (WEEL) Guides</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone (CAS 119-61-9)</td>
<td>TWA</td>
<td></td>
<td>0.5 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate (CAS 123-86-4)</td>
<td>STEL</td>
<td></td>
<td>950 mg/m³</td>
</tr>
<tr>
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<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>150 ppm</td>
</tr>
</tbody>
</table>

**Exposure guidelines**

None established.

**Engineering controls**

- Use in a well ventilated area.
- Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

**Personal protective equipment**

- **Eye / face protection**: Wear safety glasses; chemical goggles (if splashing is possible).
- **Skin protection**: Use personal protective equipment to minimize exposure to skin and eye. Use impervious gloves.
- **Respiratory protection**: A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Launder contaminated clothing before reuse. Keep away from food and drink.

9. Physical & Chemical Properties

| Appearance | Liquid. |
| Physical state | Liquid. |
10. Chemical Stability & Reactivity Information

**Chemical stability**
Stable under recommended storage conditions.

**Conditions to avoid**
No information available.

**Incompatible materials**
Strong acids, alkalies and oxidizing agents.

**Hazardous decomposition products**
Nitrogen oxides (NOx), smoke, Carbon monoxide and carbon dioxide.

11. Toxicological Information

**Toxicological data**

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone Derivative (CAS 119-61-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Oral</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>2895 mg/kg</td>
</tr>
<tr>
<td><em>Other</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>727 mg/kg</td>
</tr>
<tr>
<td>n-Butyl Acetate (CAS 123-86-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Inhalation</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Wistar rat</td>
<td>160 mg/l, 4 Hours</td>
</tr>
<tr>
<td><em>Oral</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>14000 mg/kg</td>
</tr>
</tbody>
</table>

**Carcinogenicity**

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Benzophenone Derivative (CAS 119-61-9) 2B Possibly carcinogenic to humans.

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

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

12. Ecological Information

**Aquatic toxicity**
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<table>
<thead>
<tr>
<th>Ecotoxicological data Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone Derivative (CAS 119-61-9)</td>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas)</td>
</tr>
</tbody>
</table>
**Components**

n-Butyl Acetate (CAS 123-86-4)

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas) 17 - 19 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

**Ecotoxicity**

No data available.

**Persistence and degradability**

Not available.

**Bioaccumulation / Accumulation**

- **Bioaccumulative potential**
  - Octanol/water partition coefficient $\log K_{ow}$
    - n-Butyl Acetate: 1.78

**Partition coefficient**

- n-Butyl Acetate: 1.78

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**

**Further information**

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

15. **Regulatory Information**

**US federal regulations**

- All ingredients are listed or exempt

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))**
  - 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.

**CERCLA (Superfund) reportable quantity**

- n-Butyl Acetate: 5000

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

- **Hazard categories**
  - Immediate Hazard - Yes
  - Delayed Hazard - Yes
  - Fire Hazard - No
  - 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) = < 95 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

**Other regulations**

- Notified according to EU Regulations.

**State regulations**

- **US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

- **US - New Jersey RTK - Substances: Listed substance**
  - n-Butyl Acetate (CAS 123-86-4) Listed.
16. Other Information

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

NFPA ratings
Health: 2
Flammability: 1
Instability: 2

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
04-Mar-2013

Manufacturer information
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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