1. Product and Company Identification

**Material name**: CN841Series

**Version #**: 01

**Issue date**: 05-Sep-2013

**Product use**: Inkjet printing

**Synonym(s)**: HP XP221 Black 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) 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.
- **Ingestion**: Harmful if swallowed.
- **Chronic effects**: Possible risk of impaired fertility.
- **Other hazards**: Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

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>2-phenoxyethyl Acrylate</td>
<td>48145-04-6</td>
<td>&lt;40</td>
</tr>
<tr>
<td>N-vinylcaprolactam</td>
<td>2235-00-9</td>
<td>&lt;25</td>
</tr>
<tr>
<td>Diphenyl (2,4,6-trimethylbenzoyl) phosphine</td>
<td>75980-60-8</td>
<td>&lt;7.5</td>
</tr>
<tr>
<td>Difunctional acrylic monomer</td>
<td>84170-74-1</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>&lt;2.5</td>
</tr>
<tr>
<td>Propiophenone derivative</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipentaerythritol pentaacrylate esters</td>
<td>60506-81-2</td>
<td>&lt;20</td>
</tr>
</tbody>
</table>

**Composition comments**: Carbon black is present only in a bound form in this preparation.

4. First Aid Measures

**General advice**: No information
First aid procedures

Eye contact
Do not rub eyes. 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
Wash affected area with mild soap and water. If irritation persists get medical attention.

Inhalation
Move to fresh air. 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 powder. Carbon dioxide (CO2). Water may be ineffective.

Unsuitable extinguishing media
Water.

Protection of firefighters
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
Wear appropriate personal protective equipment.

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

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

7. Handling and Storage

Handling
Avoid contact with skin, eyes and clothing.

Storage
Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values
<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3 mg/m3</td>
<td>Inhalable fraction.</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>Carbon black (CAS 1333-86-4)</td>
<td>PEL</td>
<td>3.5 mg/m3</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>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>0.1 mg/m3</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>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3.5 mg/m3</td>
</tr>
</tbody>
</table>

Exposure guidelines
Exposure limits have not been established for this product.

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
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Not available</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point/Freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC</td>
<td>&lt; 95 g/L</td>
</tr>
</tbody>
</table>

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

10. Chemical Stability & Reactivity Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Exposure to sunlight.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>oxidizing agents alkaline metals strong bases</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Nitrogen oxides (NOx). Carbon monoxide hydrocarbons</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization can occur with decreased inhibitor content.</td>
</tr>
</tbody>
</table>

11. Toxicological Information

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>Rat</td>
<td>&gt; 8000 mg/kg</td>
</tr>
</tbody>
</table>

Carcinogenicity
Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint.

ACGIH Carcinogens
CARBON BLACK, INHALABLE FRACTION (CAS 1333-86-4)  A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity
Carbon black (CAS 1333-86-4)  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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>Not available</td>
</tr>
</tbody>
</table>
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**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.

**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) 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**

None

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

**Hazard categories**

Immediate Hazard - Yes
Delayed 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) = < 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**

Carbon black (CAS 1333-86-4) Listed.

**US. Massachusetts RTK - Substance List**

Carbon black (CAS 1333-86-4)

**US. Pennsylvania RTK - Hazardous Substances**

Carbon black (CAS 1333-86-4) Listed.
16. Other Information

**HMIS® ratings**

Health: 3  
Flammability: 1  
Physical hazard: 2

**NFPA ratings**

Health: 3  
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**

05-Sep-2013

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

- Hazards Identification: Other hazards
- Composition / Information on Ingredients: Ingredients
- 5. Fire Fighting Measures: Protective equipment and precautions for firefighters
- 9. Physical & Chemical Properties: Other information
- 14. Transport Information: Further information
- 15. Regulatory Information: Other information

**Manufacturer information**

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(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