1. Product and Company Identification

**Material name**: CN913 Series

**Version #**: 03

**Issue date**: 24-Apr-2010

**Revision date**: 25-Nov-2013

**Product use**: Inkjet printing.

**CAS #**: Mixture

**Synonym(s)**: HP Scitex GR100 Classic Black 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

**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.

**Potential health effects**:

- **Eyes**: Avoid contact with eyes. Contact with eyes may result in irritation.
- **Skin**: Avoid contact with skin. Harmful in contact with skin. Contact with skin may result in irritation and Harmful if absorbed through the skin.
- **Inhalation**: Avoid breathing vapors or mists of this product. Harmful if inhaled. Inhalation may result in respiratory irritation.
- **Ingestion**: May be harmful if swallowed. Swallowing large amounts may cause digestive discomfort. Harmful if swallowed.

**Other hazards**: Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). 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.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th><strong>Hazardous components</strong></th>
<th><strong>CAS #</strong></th>
<th><strong>Percent</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate</td>
<td>112-07-2</td>
<td>&lt;70</td>
</tr>
<tr>
<td>2-methoxy-1-methylethylacetate</td>
<td>108-65-6</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>&lt;7.5</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
<td>&lt;7.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Non-hazardous components</strong></th>
<th><strong>CAS #</strong></th>
<th><strong>Percent</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl chloride-vinyl acetate copolymer</td>
<td>Proprietary</td>
<td>&lt;2.5</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**
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.

**Skin contact**
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.

**Inhalation**
Move person to fresh air immediately. If symptoms persist, get immediate medical attention.

**Ingestion**
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.

5. Fire Fighting Measures

**Extinguishing media**
Suitable extinguishing media: sand, carbon dioxide (CO2), and dry chemical.

**Protection of firefighters**
Protective equipment and precautions for firefighters
Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways.

**Fire fighting equipment/instructions**
Move containers from fire area if you can do it without risk.

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.

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.

8. Exposure Controls / Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3 mg/m3</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>STEL</td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
</tbody>
</table>
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>PEL 3.5 mg/m3</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>PEL 200 mg/m3</td>
</tr>
</tbody>
</table>

50 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (CAS 112-07-2)</td>
<td>TWA 33 mg/m3</td>
</tr>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA 5 ppm</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA 0.1 mg/m3</td>
</tr>
</tbody>
</table>

25 ppm

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methoxy-1-methylethylacetate (CAS 108-65-6)</td>
<td>TWA 50 ppm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA 3.5 mg/m3</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA 100 mg/m3</td>
</tr>
</tbody>
</table>

25 ppm

Exposure guidelines

US. ACGIH Threshold Limit Values

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

Personal protective equipment

Eye / face protection
Wear safety glasses; chemical goggles (if splashing is possible).
Eye wash fountain and emergency showers are recommended.

Skin protection
Wear appropriate chemical resistant clothing.
Wear appropriate chemical resistant gloves.

Respiratory protection
Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

General hygiene considerations
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

Appearance  Not available.
Physical state Not available.
Form       Liquid.
Color      Black.
Odor       Solvent.
pH          Not available.
Vapor pressure Not available.
Boiling point Not available.
Melting point/Freezing point Not available.
Solubility (water) Not available.
Specific gravity Not available.
Flash point Not available.

Material name: CN913 Series
11558 Version #: 03 Revision date: 25-Nov-2013 Issue date: 24-Apr-2010
10. Chemical Stability & Reactivity Information

Chemical stability
Stable at normal conditions.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Not available.

Hazardous decomposition products
Not available.

Possibility of hazardous reactions
None known.

11. Toxicological Information

<table>
<thead>
<tr>
<th>Toxicological data</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-Butoxyethyl acetate (CAS 112-07-2)

Acute
Dermal
LD50 Rabbit 1500 mg/kg
Oral
LD50 Rat 2400 mg/kg
Other
LD50 Mouse 754 mg/kg

Carbon black (CAS 1333-86-4)

Acute
Oral
LD50 Rat > 8000 mg/kg

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
2-BUTOXYETHYL ACETATE (EGBEA) (CAS 112-07-2) A3 Confirmed animal carcinogen with unknown relevance to humans.
CARBON BLACK, INHALABLE FRACTION (CAS 1333-86-4) 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
Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.
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.

Serious eye damage/eye irritation
Not available.

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

12. Ecological Information

Aquatic toxicity
No information available.

Ecotoxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
</table>

Cyclohexanone (CAS 108-94-1)

Aquatic
Fish
LC50 Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours

Ecotoxicity
No information available.
Persistence and degradability  
Not available.

Bioaccumulation / Accumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow
Cyclohexanone 0.81

Partition coefficient
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, cyclohexanone) -Not regulated in quantities less than 119 gallons
Hazard class III
Packing group

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 - No
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) = < 909 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 - California Proposition 65 - CRT: Listed date/Carcinogenic substance

US - New Jersey RTK - Substances: Listed substance
2-Butoxyethyl acetate (CAS 112-07-2) Listed.
Carbon black (CAS 1333-86-4) Listed.
Cyclohexanone (CAS 108-94-1) Listed.

US. Massachusetts RTK - Substance List
Carbon black (CAS 1333-86-4) Listed.
Cyclohexanone (CAS 108-94-1) Listed.

US. Pennsylvania RTK - Hazardous Substances
Carbon black (CAS 1333-86-4) Listed.
Cyclohexanone (CAS 108-94-1) Listed.

US. Rhode Island RTK
Carbon black (CAS 1333-86-4) Listed.
Cyclohexanone (CAS 108-94-1) Listed.

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
24-Apr-2010

This data sheet contains changes from the previous version in section(s):
Hazards Identification: Other hazards
5. Fire Fighting Measures: Protective equipment and precautions for firefighters
9. Physical & Chemical Properties: Other information
15. Regulatory Information: Other regulations
15. Regulatory Information: Other information
HazReg Data: Pacific Rim

Manufacturer information
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California  94304-1112 US
(Direct) +972 (9) 892-4628
### Explanation of abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<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>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<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>