1. Product and Company Identification

Material name: CN956 Series
Version #: 03
Issue date: 22-Apr-2010
Revision date: 20-Nov-2013
Product use: Inkjet printing
Synonym(s): HP Scitex XL300 Classic Light 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

Potential health effects

<table>
<thead>
<tr>
<th>Skin</th>
<th>Harmful if absorbed through the skin. Contact with skin may result in irritation and Harmful if absorbed through the skin.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Harmful if inhaled. Inhalation may result in respiratory irritation.</td>
</tr>
<tr>
<td>Other hazards</td>
<td>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.</td>
</tr>
</tbody>
</table>

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;70</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
<td>&lt;15</td>
</tr>
<tr>
<td>Propylene Glycol Monomethyl Ether Acetate</td>
<td>108-65-6</td>
<td>&lt;15</td>
</tr>
<tr>
<td>Non-hazardous components</td>
<td>CAS #</td>
<td>Percent</td>
</tr>
<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>
<tr>
<td>Black Pigment</td>
<td>Proprietary</td>
<td>&lt;1</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 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>US. ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black Pigment (CAS Proprietary)</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>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black Pigment (CAS Proprietary)</td>
<td>PEL</td>
<td>3.5 mg/m3</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>PEL</td>
<td>200 mg/m3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>U.S. - NIOSH Material</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN956 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>Black Pigment (CAS Proprietary)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA</td>
<td>100 mg/m³</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>33 mg/m³</td>
</tr>
</tbody>
</table>

### US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)</td>
<td>TWA</td>
<td>50 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>Black Pigment (CAS Proprietary)</td>
<td>TWA</td>
<td>3.5 mg/m³</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25 ppm</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**
  - Black.

- **Odor**
  - Not available.

- **pH**
  - Not available.

- **Vapor pressure**
  - Not determined.

- **Boiling point**
  - 325.4 °F (163 °C) Estimated

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

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

- **Specific gravity**
  - Not available.

- **Flash point**
  - 150.80 °F (66.00 °C) Setaflash Closed Tester

- **VOC**
  - < 923 g/L

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

### 10. Chemical Stability & Reactivity Information

- **Chemical stability**
  - Stable at normal conditions
11. Toxicological Information

**Toxicological data**

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Pigment (CAS Proprietary)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 8000 mg/kg</td>
</tr>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>1500 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>2400 mg/kg</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>754 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**

- 2-BUTOXYETHYL ACETATE (EGBEA) (CAS 112-07-2) A3 Confirmed animal carcinogen with unknown relevance to humans.
- CARBON BLACK, INHALABLE FRACTION (CAS Proprietary) 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**

- Black Pigment (CAS Proprietary) 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.

12. Ecological Information

**Ecotoxicological data**

| Components                              | Species                          | Test Results                      |
|-----------------------------------------|                                  |                                 |
| Cyclohexanone (CAS 108-94-1)            |                                  |                                 |
| Aquatic                                 |                                  |                                 |
| Fish                                    | LC50                             | Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours |

**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

- **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:** 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) = < 923 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**
- CARBON BLACK (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS Proprietary)

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

**US. Massachusetts RTK - Substance List**
- Black Pigment (CAS Proprietary)
- Cyclohexanone (CAS 108-94-1)

**US. Pennsylvania RTK - Hazardous Substances**
- Black Pigment (CAS Proprietary) Listed.
- Cyclohexanone (CAS 108-94-1) Listed.

**US. Rhode Island RTK**
- Black Pigment (CAS Proprietary)
- 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**
22-Apr-2010

**This data sheet contains changes from the previous version in section(s):**
- Hazards Identification: Other hazards
- 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

<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>