SAFETY DATA SHEET

1. Identification

Product identifier  
HP ElectroInk Calibration Cartridge Black for 7000 series and WS6000 press Q4137B

Other means of identification

Synonyms
Part Number Q4137B

Recommended use
HP product for use with HP Indigo Digital Presses 7000 series and WS6000 press

Recommended restrictions
None known.

Company identification
HP
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States
Telephone 650-857-5020

HP 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. Hazard(s) identification

Physical hazards  
Not classified.

Health hazards  
Not classified.

Environmental hazards  
Not classified.

OSHA defined hazards  
Not classified.

Label elements

Hazard symbol  
None.

Signal word  
None.

Hazard statement  
The mixture does not meet the criteria for classification.

Precautionary statement

Prevention  
Not available.

Response  
Not available.

Storage  
Not available.

Disposal  
Not available.

Hazard(s) not otherwise classified (HNOC)

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.

Supplemental information
This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum hydrocarbon</td>
<td></td>
<td>90622-58-5</td>
<td>&lt;80</td>
</tr>
<tr>
<td>Trade secret</td>
<td>Proprietary</td>
<td></td>
<td>&lt;15</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>&lt;5</td>
<td></td>
</tr>
<tr>
<td>Fluoropolymer resin</td>
<td>9002-84-0</td>
<td>&lt;2.5</td>
<td></td>
</tr>
</tbody>
</table>
Composition comments: Carbon black is present only in a bound form in this preparation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

4. First-aid measures

Inhalation: If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Skin contact: Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

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. Do not apply neutralizing agents.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, seek medical attention.

Most important symptoms/effects, acute and delayed: Not available.

5. Fire-fighting measures

Suitable extinguishing media: Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: None known.

Special protective equipment and precautions for firefighters: Not available.

Fire-fighting equipment/instructions: Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up: Not available.

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

7. Handling and storage

Precautions for safe handling: Avoid prolonged or repeated skin contact with this material. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities: Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Components</strong></td>
<td><strong>Type</strong></td>
</tr>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>PEL</td>
</tr>
<tr>
<td>ACGIH Components</td>
<td></td>
</tr>
<tr>
<td>Trade secret (CAS Proprietary)</td>
<td>STEL</td>
</tr>
</tbody>
</table>
### ACGIH

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>US. NIOSH: Pocket Guide to Chemical Hazards</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
</tbody>
</table>

#### Biological limit values
No biological exposure limits noted for the ingredient(s).

#### Exposure guidelines
Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 75%. TWA = 171 ppm (1200 mg/m³).

#### Appropriate engineering controls
Use in a well ventilated area.

#### Individual protection measures, such as personal protective equipment
- **Eye/face protection**: Not available.
- **Skin protection**
  - **Hand protection**: Not available.
  - **Other**: Not available.
- **Respiratory protection**: Not available.
- **Thermal hazards**: Not available.

#### General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Paste</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Black.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Mild hydrocarbon-like</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

#### Upper/lower flammability or explosive limits
- **Flammability limit - lower (%)**: Not available.
- **Flammability limit - upper (%)**: Not available.
- **Explosive limit - lower (%)**: Not available.
- **Explosive limit - upper (%)**: Not available.
- **Vapor pressure**: Not available.
- **Solubility(ies)**
  - **Solubility (water)**: Not soluble
  - **Partition coefficient (n-octanol/water)**: Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not available.

**Other information**
- Specific gravity: 0.82
- VOC (Weight %): 640 g/L (5.33 lbs/gal. US)

## 10. Stability and reactivity

**Reactivity**: Not available.
**Chemical stability**: Stable under recommended storage conditions.
**Possibility of hazardous reactions**: Will not occur.
**Conditions to avoid**: Not available.
**Incompatible materials**: This product may react with strong oxidizing agents.
**Hazardous decomposition products**: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

**Symptoms related to the physical, chemical and toxicological characteristics**: Not available.

### Information on toxicological effects

**Acute toxicity**: Based on available data, the classification criteria are not met.
**Skin corrosion/irritation**: Not classified.
**Serious eye damage/eye irritation**: Not classified.

**Respiratory or skin sensitization**
- **Respiratory sensitization**: Not classified.
- **Skin sensitization**: Not classified.
- **Germ cell mutagenicity**: Not classified.

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

### IARC Monographs. Overall Evaluation of Carcinogenicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
<tr>
<td>Fluoropolymer resin (CAS 9002-84-0)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
</tbody>
</table>

**Reproductive toxicity**: Not classified.
**Specific target organ toxicity - single exposure**: Not classified.
**Specific target organ toxicity - repeated exposure**: Not classified.
**Aspiration hazard**: Not classified.

### Further information

Complete toxicity data are not available for this specific formulation. Refer to Section 2 for potential health effects and Section 4 for first aid measures.

### Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
</tr>
</tbody>
</table>
12. Ecological information

Aquatic toxicity  This product has not been tested for ecological effects.

Persistence and degradability  Not available.
Bioaccumulative potential  Not available.
Mobility in soil  Not available.
Other adverse effects  Not available.

13. Disposal considerations

Disposal instructions  Dispose of in compliance with federal, state, and local regulations.

14. Transport information

DOT  Not regulated as dangerous goods.
IATA  Not regulated as dangerous goods.
IMDG  Not regulated as dangerous goods.
ADR  Not regulated as dangerous goods.

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

15. Regulatory information

US federal regulations

US EPA TSCA Inventory:  All chemical substances in this product comply with all rules or orders under TSCA.

US TSCA 12(b): Does not contain listed chemicals.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)  Not listed.
SARA 304 Emergency release notification  Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance  Not listed.
SARA 311/312 Hazardous chemical  No

Other federal regulations
Safe Drinking Water Act (SDWA)  Not regulated.

US state regulations
US. Massachusetts RTK - Substance List  Carbon black (CAS 1333-86-4)
US. New Jersey Worker and Community Right-to-Know Act  Carbon black (CAS 1333-86-4)
US. Pennsylvania Worker and Community Right-to-Know Law
Carbon black (CAS 1333-86-4)
Fluoropolymer resin (CAS 9002-84-0)

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
CARBON BLACK (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE \[<= 10 MICROMETERS\]) (CAS 1333-86-4)
Listed: February 21, 2003

Regulatory information
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.

16. Other information, including date of preparation or last revision
Issue date 03-Jun-2014
Revision date 30-Sep-2015
Version # 03

Disclaimer
This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

Revision Information
Hazard(s) identification: Hazard statement
Hazard(s) identification: Supplemental information
Physical & Chemical Properties: Multiple Properties
Toxicological information: Aspiration hazard
Toxicological information: Corrosivity
Toxicological information: Eye contact
Toxicological information: Mutagenicity
Toxicological information: Reproductivity
Toxicological information: Respiratory sensitization
Toxicological information: Skin contact
Toxicological information: Specific target organ toxicity - repeated exposure
Toxicological information: Specific target organ toxicity - single exposure
Other information, including date of preparation or last revision: Disclaimer

Manufacturer information
HP Indigo BV
Startbaan 16
1187 XR Amstelveen
The Netherlands
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</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>