1. Identification

Important information

*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***

Product identifier

HP Indigo ElectroInk Calibration Cartridge Black for use with HP Indigo Digital Presses WS6000 series, W7200 series, 7000 series and 8000 Q4137D

Other means of identification

Synonyms

Part Number Q4137D

Recommended use


Recommended restrictions

None known.

Manufacturer/Importer/Supplier/Distributor information

HP Inc.

1501 Page Mill Road

Palo Alto, CA 94304-1112

United States

Telephone

650-857-1501

HP Inc. health effects line

(Toll-free within the US) 1-800-457-4209

(Direct) 1-760-710-0048

HP Inc. 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

Not available.

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

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alkanes C11-15 iso</td>
<td></td>
<td>90622-58-5</td>
<td>&lt;80</td>
</tr>
<tr>
<td></td>
<td>Trade secret*</td>
<td>Proprietary*</td>
<td>&lt;15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C.I.P.B 7 No. 77266*</td>
<td>Proprietary*</td>
<td>&lt;5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fluoropolymer resin</td>
<td></td>
<td>9002-84-0</td>
<td>&lt;1</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>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.B 7 No. 77266</td>
<td>PEL</td>
<td>3.5 mg/m³</td>
</tr>
</tbody>
</table>

ACGIH

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>STEL</td>
<td>143 mg/m³</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>3 mg/m³</td>
</tr>
</tbody>
</table>

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>C.I.P.B 7 No. 77266</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Inhalable fraction.</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>C.I.P.B 7 No. 77266</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

Appearance

Paste

Physical state

Solid.

Form

Not available.

Color

Black.

Odor

mild hydrocarbon-like

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

Not available.

Flash point

Not available.

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

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.
1. **Vapor pressure** Not available.
2. **Vapor density** Not available.
3. **Solubility(ies)**
   - **Solubility (water)** Not soluble
4. **Partition coefficient (n-octanol/water)** Not available.
5. **Auto-ignition temperature** Not available.
6. **Decomposition temperature** Not available.
7. **Viscosity** Not available.
8. **Other information**
   - **Oxidizing properties** Not applicable.
   - **Specific gravity** 0.815
   - **VOC** 636 g/L (5.31 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

#### Information on likely routes of exposure

- **Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- **Skin contact** Contact with skin may result in mild irritation.
- **Eye contact** Contact with eyes may result in mild irritation.
- **Ingestion** Ingestion is not a likely route of exposure. Health injuries are not known or expected under normal use.

#### 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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.B 7 No. 77266</td>
<td>Oral</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>Acute LD50</td>
<td>Rat</td>
<td></td>
</tr>
</tbody>
</table>

**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>C.I.P.B 7 No. 77266 (CAS Proprietary)</th>
<th>2B Possibly carcinogenic to humans.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoropolymer resin (CAS 9002-84-0)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
</tbody>
</table>


Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**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.

### 12. Ecological information

**Aquatic toxicity**

This product has not been tested for ecological effects.

**Ecotoxicity**

No ecotoxicity data noted for the ingredient(s).

**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**

<table>
<thead>
<tr>
<th>UN number</th>
<th>Not available.</th>
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</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

**Transport hazard class(es)**

<table>
<thead>
<tr>
<th>Class</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Environmental hazards**

<table>
<thead>
<tr>
<th>Marine pollutant</th>
<th>No</th>
</tr>
</thead>
</table>

**Special precautions for user**

| Not available. |

**IATA**

<table>
<thead>
<tr>
<th>UN number</th>
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</table>

**Environmental hazards**

<table>
<thead>
<tr>
<th>No.</th>
</tr>
</thead>
</table>

**Special precautions for user**

| Not available. |

**IMDG**

<table>
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<td>Not Regulated</td>
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</table>

**Transport hazard class(es)**

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<tbody>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Transport hazard class(es)
  Marine pollutant No.
  EmS Not available.
  Special precautions for user Not available.

ADR
  UN number Not available.
  UN proper shipping name Not Regulated.
  Transport hazard class(es)
    Class Not available.
    Subsidiary risk -
    Hazard No. (ADR) Not available.
    Tunnel restriction code Not available.
  Packing group Not available.
  Environmental hazards No.
  Special precautions for user Not available.

Further information
  Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.
  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.

  Toxic Substances Control Act (TSCA)
    TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
      Not regulated.
    TSCA Chemical Action Plans, Chemicals of Concern
      Fluoropolymer resin (CAS 9002-84-0) Long-Chain Perfluorinated Chemicals (PFCs) Action Plan
    CERCLA Hazardous Substance List (40 CFR 302.4)
      Not listed.
  SARA 304 Emergency release notification
    Not regulated.
  OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
    Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
  SARA 302 Extremely hazardous substance
    Not listed.

Other federal regulations
  Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
    No intentionally added HAP substances.
  Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
    Not regulated.
  Safe Drinking Water Act (SDWA)
    Not regulated.

US state regulations
  California Proposition 65
    California Proposition 65 - CRT: Listed date/Carcinogenic substance
      C.I.P.B 7 No. 77266 (CAS Proprietary) Listed: February 21, 2003
      US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
        C.I.P.B 7 No. 77266 (CAS Proprietary)
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: 14-Dec-2019
Revision date: 02-Mar-2021
Version #: 03
Other information: This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Disclaimer
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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>