



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** HP ElectroInk Calibration Cartridge White for use with HP Indigo Digital Press 5000 series Q4186A

**Other means of identification** Not available.

**Synonym(s)** Part Number Q4186A

**Recommended use** HP product for use with HP Indigo Digital Presses 5000 series.

**Recommended restrictions** None known.

**Issue date** 01-Jun-2014

**Company identification** Hewlett-Packard Company  
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## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA hazard(s)** Not classified.

**Label elements**

**Hazard symbol** No symbol.

**Signal word** Not available.

**Hazard statement** Not available.

**Precautionary statement**

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** Not classified.

## 3. Composition/information on ingredients

### Mixtures

Hazardous components Chemical name	CAS number	%
Petroleum hydrocarbon	90622-58-5	<70
C.I.P.W. 6 No.77891	13463-67-7	<20
Trade Secret*	Proprietary*	<15

**Composition comments** This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

Titanium dioxide is present only in a bound form in this preparation.

## 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.

<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, seek medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.

## 5. Fire-fighting measures

<b>Flash point</b>	Not available.
<b>Suitable extinguishing media</b>	Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Special protective equipment and precautions for firefighters</b>	Not available.
<b>Fire-fighting equipment/instructions</b>	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

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate personal protective equipment.
<b>Methods and materials for containment and cleaning up</b>	Not available.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

## 7. Handling and storage

<b>Precautions for safe handling</b>	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.
<b>Conditions for safe storage, including any incompatibilities</b>	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

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
C.I.P.W. 6 No.77891 (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

#### ACGIH

Components	Type	Value
C.I.P.W. 6 No.77891 (CAS 13463-67-7)	TWA	10 mg/m3
Trade Secret (CAS Proprietary)	STEL	143 mg/m3
	TWA	3 mg/m3

#### US. ACGIH Threshold Limit Values

Components	Type	Value
C.I.P.W. 6 No.77891 (CAS 13463-67-7)	TWA	10 mg/m3

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

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

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Not available.

<b>Skin protection</b>	
<b>Hand protection</b>	Not available.
<b>Other</b>	Not available.
<b>Respiratory protection</b>	Not available.
<b>Thermal hazards</b>	Not available.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

<b>Appearance</b>	Paste
<b>Physical state</b>	Solid.
<b>Color</b>	White.
<b>Odor</b>	mild hydrocarbon-like
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	370.4 °F (188 °C) (based on petroleum hydrocarbon)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Solubility(ies)</b>	Not soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Oxidizing properties</b>	Not determined
<b>Specific gravity</b>	0.909
<b>VOC (Weight %)</b>	630 g/L (5.26 lbs/gal, US)

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## 10. Stability and reactivity

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

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## 11. Toxicological information

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Not available.
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### Information on toxicological effects

**Acute toxicity****Skin corrosion/irritation** Not available.**Serious eye damage/eye irritation** Not available.**Respiratory sensitization** Not available.**Skin sensitization** Not available.**Germ cell mutagenicity** Not available.**Carcinogenicity** Titanium dioxide is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).  
None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.**IARC Monographs. Overall Evaluation of Carcinogenicity**

C.I.P.W. 6 No.77891 (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

**Reproductive toxicity** Not available.**Specific target organ toxicity - single exposure** Not available.**Specific target organ toxicity - repeated exposure** Not available.**Aspiration hazard** Not available.**Further information** The ink formulation has not been tested.

Components	Species	Test Results
C.I.P.W. 6 No.77891 (CAS 13463-67-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	>= 10000 mg/kg
<i>Oral</i>		
LD50	Rat	>= 25000 mg/kg

**12. Ecological information****Aquatic toxicity** This product has not been tested for ecological effects.**Ecotoxicity**

Components	Species	Test Results
C.I.P.W. 6 No.77891 (CAS 13463-67-7)		
	LC50	Fathead Minnow >= 1000 mg/l, 96 Hours
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) > 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours

**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.**Local disposal regulations** Not available.**Hazardous waste code** Not regulated.**Waste from residues / unused products** Not available.**Contaminated packaging** Not available.**14. Transport information****IATA**

Not regulated as a dangerous good.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information available.

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## 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 inventory: CASRN 329907-27-5 for Petroleum Hydrocarbon

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

### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not on regulatory list.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

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

**Hazard categories**

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

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

## **Other federal regulations**

### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

### **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.

**Food and Drug Administration (FDA)** Not regulated.

## **US state regulations**

### **US. Massachusetts RTK - Substance List**

C.I.P.W. 6 No.77891 (CAS 13463-67-7)

### **US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

### **US. Pennsylvania RTK - Hazardous Substances**

C.I.P.W. 6 No.77891 (CAS 13463-67-7)

### **US. Rhode Island RTK**

C.I.P.W. 6 No.77891 (CAS 13463-67-7)

### **US. California Proposition 65**

#### **US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

C.I.P.W. 6 No.77891 (CAS 13463-67-7)

## **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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

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## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	01-Jun-2014
<b>Revision date</b>	06-Jul-2014
<b>Version #</b>	02
<b>Further information</b>	Not available.
<b>Disclaimer</b>	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.
<b>Manufacturer information</b>	Hewlett-Packard Indigo BV Startbaan 16 1187 XR Amstelveen The Netherlands (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

### Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds