1. Product and Company Identification

Identification of the preparation
HP ElectroInk Calibration Cartridge Magenta for 7000 series and WS6000 press
Q4135A

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

Version #
03

Revision date
20-Aug-2011

Company identification
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States
Telephone 650-857-1501

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-503-494-7199

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
Contact with skin and eyes may result in irritation.

Acute health effects
Any potential hazards are presumed to be due to exposure to the components.

Skin contact
Petroleum hydrocarbon
Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Eye contact
Petroleum hydrocarbon
Slightly irritating but does not injure eye tissue. Direct contact with the eye may cause discomfort and redness.

Inhalation
As a paste, the risk for lung damage is unlikely.
Petroleum hydrocarbon
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Ingestion
Petroleum hydrocarbon
Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Potential health effects

Routes of exposure
Potential routes of exposure to this product are skin and eye contact, ingestion and inhalation.

Chronic health effects
Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

Carcinogenicity
None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

Other information
All pigments are resin coated and therefore, there is no azodye exposure in normal use.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum hydrocarbon</td>
<td>90622-58-5</td>
<td>70 - 80</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Proprietary</td>
<td>10 - 15</td>
</tr>
<tr>
<td>C.I.P.R. 146 No.12485</td>
<td>5280-68-2</td>
<td>2.5 - 5</td>
</tr>
</tbody>
</table>
**Composition comments**

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

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**4. First Aid Measures**

**First aid procedures**

**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.

**Skin contact**

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

**Inhalation**

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

**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.

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**5. Fire Fighting Measures**

**Extinguishing media**

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

Unsuitable extinguishing media: None known.

**Protection of firefighters**

Specific hazards arising from the chemical: None known.

Protective equipment and precautions for firefighters: Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance.

**Hazardous combustion products**

Refer to section 10.

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**6. Accidental Release Measures**

**Personal precautions**

Wear appropriate personal protective equipment.

**Environmental precautions**

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

In case of large spills, follow all facility emergency response procedures.

Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

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**7. Handling and Storage**

**Handling**

Avoid prolonged or repeated skin contact with this material. Avoid contact with skin, eyes and clothing.

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

**Storage**

Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.

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**8. Exposure Controls / Personal Protection**

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>ACGIH Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret (Proprietary)</td>
<td>STEL</td>
<td>143.0000 mg/m3</td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-----------</td>
<td>-------------------------</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>3.0000 mg/m^3</td>
</tr>
</tbody>
</table>

**Exposure guidelines**
Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 75%. TWA = 171ppm (1200 mg/m^3).

**Engineering controls**
Use in a well ventilated area.

**Personal protective equipment**

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

*General*
Use personal protective equipment to minimize exposure to skin and eye.

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### 9. Physical & Chemical Properties

**Appearance**
Paste

**Color**
Magenta

**Odor**
mild hydrocarbon-like

**Odor threshold**
Not available.

**Physical state**
Solid

**Form**
Not available.

**pH**
Not available.

**Melting point**
Not available.

**Freezing point**
Not available.

**Boiling point**
370.4 °F (188 °C) (based on petroleum hydrocarbon)

**Flash point**
147.2 °F (64 °C) Pensky-Martens Closed Cup (based on petroleum hydrocarbon)

**Evaporation rate**
Not available.

**Flammability limits in air, upper, % by volume**
Not available.

**Flammability limits in air, lower, % by volume**
Not available.

**Vapor pressure**
Not available.

**Vapor density**
Not available.

**Specific gravity**
0.817

**Relative density**
Not available.

**Solubility (water)**
Not soluble

**Auto-ignition temperature**
392 °F (200 °C) (based on petroleum hydrocarbon)

**Decomposition temperature**
Not available.

**VOC**
650 g/L (5.39 lbs/gal. US)

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### 10. Chemical Stability & Reactivity Information

**Chemical stability**
Stable under recommended storage conditions.

**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.

**Possibility of hazardous reactions**
Will not occur.

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### 11. Toxicological Information

**Toxicological information**
Refer to Section 2 for potential health effects and Section 4 for first aid measures.

**Serious eye damage/eye irritation**
Not available.

**Further information**
The ink formulation has not been tested.
12. Ecological Information
Aquatic toxicity  This product has not been tested for ecological effects.

Persistence and degradability  Not available.

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

14. Transport Information
Further information  Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
DOT  Not regulated as dangerous goods.
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.
US TSCA inventory: CASRN 329907-27-9 for Petroleum Hydrocarbon
US TSCA 12(b): Does not contain listed chemicals.

CERCLA (Superfund) reportable quantity  None

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical  No

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

Section 302 extremely hazardous substance  No
Section 311 hazardous chemical  Yes

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
Other information  This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

HMIS® ratings  Health: 1
Flammability: 2
Physical hazard: 0

NFPA ratings  Health: 1
Flammability: 2
Instability: 0
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.

Issue date

20-Aug-2011

This data sheet contains changes from the previous version in section(s):

14. Transport Information: Further information

Manufacturer information

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

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