1. Product and Company Identification

Identification of the preparation
HP ElectroInk Calibration Cartridge Yellow for 7000 series and WS6000 press
Q4134A

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

Version #
04

Revision date
21-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.

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.Y. 185 No.56290</td>
<td>76199-85-4</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Fluoropolymer resin</td>
<td>9002-84-0</td>
<td>0 - 1</td>
</tr>
</tbody>
</table>
Composition comments
This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

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.

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.

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.

Other information
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.

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.

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></td>
<td>TWA</td>
<td>3.0000 mg/m3</td>
</tr>
</tbody>
</table>

Exposure guidelines
Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 70%. TWA = 171ppm (1200 mg/m3).

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.

9. Physical & Chemical Properties

Appearance
Paste
Color
Yellow
Odor
mild hydrocarbon-like
Odor threshold
Not available.
Physical state
Solid
Form
Not available.
P 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
0.818
Relative density
Not available.
Solubility (water)
Not soluble
Auto-ignition temperature
392 °F (200 °C) (based on petroleum hydrocarbon)
Decomposition temperature
Not available.
VOC
620 g/L (5.18 lbs/gal. US)

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.

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
21-Aug-2011

Material name: Q4134A
12024   Version #: 04   Revision date: 21-Aug-2011   Print date: 21-Aug-2011
This data sheet contains changes from the previous version in section(s):

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

<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>