1. Chemical Product and Company Identification

Material name: hp imaging oil 4.0 for series 3000 and 5000
Q4302A

Use of the preparation: For use with HP Indigo Press series 3000 & 5000

Version #: 05

Revision date: 08-Feb-2008

Product use: Imaging product for digital press series 3000 and 5000

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

General information telephone number
HP Customer Care Line 1-800-474-6836
(Toll-free) 1-800-474-6836
(Direct) 1-208-323-2551

Date prepared: Feb 08, 2008

MSDS number: 257731

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
Contact with eyes may cause irritation. High concentration of product vapors can cause severe irritation of eyes.

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

Inhalation

Petroleum hydrocarbon
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Ingestion
Ingestion of this product may cause nausea, vomiting and diarrhea.
Harmful if swallowed.

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>Component/substance</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum hydrocarbon</td>
<td>90622-58-5</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>Refined Petroleum Hydrocarbon</td>
<td>8042-47-5</td>
<td>&lt; 2.5</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. Immediately take off all contaminated clothing. Wash clothing separately before reuse. 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

- **Flash point and method**: > 147.2 °F (> 64 °C) (based on petroleum hydrocarbon); Pensky-Martens Closed Cup

- **Hazardous combustion products**: Refer to section 10.

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

- **Unsuitable extinguishing media**: None known.

- **Protection of firefighters**: None known.

- **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.

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**: 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. Do not reuse the empty container. 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

Exposure limits

<table>
<thead>
<tr>
<th>ACGIH Components</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refined Petroleum Hydrocarbon</td>
<td>8042-47-5</td>
<td>5 mg/m3</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Exposure guidelines
Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 95%. TWA = 171ppm (1200 mg/m3).

Personal protective equipment

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

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

9. Physical & Chemical Properties

Appearance
clear liquid

Color
colorless

Odor
mild hydrocarbon-like

Odor threshold
Not available

Physical state
Liquid.

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) (based on petroleum hydrocarbon); Pensky-Martens Closed Cup

Evaporation rate
Not available

Flammability
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
0.77 g/mL

Relative density
Not available.

Solubility in water
Not available.
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 3 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.
- **Persistence and degradability**: Not available

13. Disposal Considerations

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

14. Transportation Information

- **Department of Transportation (DOT) Requirements**: Not regulated as hazardous goods.

- **IATA**
  - **Proper shipping name**: Not applicable
  - **Hazard class**: Not applicable
  - **UN number**: none
  - **Packing group**: none
  - **Packaging exceptions**: none

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.

- **CERCLA (Superfund) reportable quantity**: None
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

International regulations
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

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

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

Issue date
- Feb 8 2008 12:53PM

Revision
- 5

Replaces sheet dated
- Jan 17 2008 2:32PM

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>REL</td>
<td>Recommended</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>