1. Product and Company Identification

Material name: HP E4SKKC Drum
Use of the preparation: This product is an imaging drum that is used in 9055/9065 series digital copiers.
Version #: 04
Revision date: 04-May-2009
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: hpcustomerinquiries@hp.com
Date prepared: May 04, 2009
MSDS number: 424482

2. Hazards Identification

Acute health effects
- Skin contact: Unlikely to cause skin irritation.
- Eye contact: Unlikely to cause irritation under normal use conditions.
- Inhalation: Unlikely to cause irritation under normal use conditions.
- Ingestion: Unlikely to cause irritation under normal use conditions.

Potential health effects
- Routes of exposure: Skin contact
- Chronic health effects: None known.
- Carcinogenicity: None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

Other information: This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.

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>Drum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum alloy</td>
<td>Trade Secret</td>
<td>&lt; 99.5</td>
</tr>
<tr>
<td>OPC compound</td>
<td>Trade Secret</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Organic pigment</td>
<td>Trade Secret</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>Trade Secret</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures
- Eye contact: Not applicable.
- Skin contact: In case of irritation, wash with soap and water.
- Inhalation: Not applicable.
## 5. Fire Fighting Measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingestion</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flash point and method</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Hazardous combustion products</strong></td>
<td>Carbon monoxide and carbon dioxide.</td>
</tr>
<tr>
<td><strong>Flammable properties</strong></td>
<td>None known.</td>
</tr>
<tr>
<td><strong>Extinguishing media</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Suitable extinguishing media</strong></td>
<td>CO2, water, or dry chemical</td>
</tr>
<tr>
<td><strong>Unsuitable extinguishing media</strong></td>
<td>None known.</td>
</tr>
<tr>
<td><strong>Unusual fire and explosion hazard</strong></td>
<td>None known.</td>
</tr>
<tr>
<td><strong>Protection of firefighters</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Protective equipment and precautions for firefighters</strong></td>
<td>If fire occurs in the printer, treat as an electrical fire.</td>
</tr>
<tr>
<td><strong>Special firefighting procedures</strong></td>
<td>None established.</td>
</tr>
</tbody>
</table>

## 6. Accidental Release Measures

<table>
<thead>
<tr>
<th>Measure</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal precautions</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Environmental precautions</strong></td>
<td>See also section 13 Disposal considerations.</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

## 7. Handling and Storage

<table>
<thead>
<tr>
<th>Measure</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Handling</strong></td>
<td>Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Keep out of the reach of children. Store at room temperature in the original container. Keep the container tightly closed and dry. Store away from strong oxidizers.</td>
</tr>
</tbody>
</table>

## 8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Measure</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Exposure guidelines</strong></td>
<td>None established.</td>
</tr>
<tr>
<td><strong>Personal protective equipment</strong></td>
<td>No personal respiratory protective equipment required under normal conditions of use.</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
</tbody>
</table>

## 9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Viridian aluminum cylinder</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Greenish blue</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Odorless</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>solid</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

*Drum* Not available.
### Material Safety Data Sheet

#### Flammability
- Not available.
- **Flammability limits in air, upper, % by volume**: Not available.
- **Flammability limits in air, lower, % by volume**: Not flammable.

#### Vapor pressure
- Not applicable.

#### Vapor density
- Not applicable.

#### Specific gravity
- 1.2 (H2O = 1)
- **Drum**: Not available.

#### Relative density
- Not available.

#### Solubility (water)
- Partially soluble in ketones, esters and aromatic solvents.

#### Partition coefficient (n-octanol/water)
- Not available.

#### Auto-ignition temperature
- Not applicable.

#### Decomposition temperature
- Not available.
- **Drum**: Not available.

#### Softening point
- 212 - 302 °F (100 - 150 °C)

#### Viscosity
- Not applicable.

### 10. Chemical Stability & Reactivity Information

#### Chemical stability
- Stable under normal storage conditions.

#### Conditions to avoid
- Imaging Drum: Exposure to light

#### Incompatible materials
- Strong oxidizers

#### Hazardous decomposition products
- No decomposition if stored normally.

#### Possibility of hazardous reactions
- Will not occur.

### 11. Toxicological Information

#### Eye irritation
- Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.

#### Sensitization
- Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).

#### Chronic toxicity
- No information available.

#### Carcinogenicity
- Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

#### Mutagenicity
- Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

#### Reproductive toxicity
- Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).

### 12. Ecological Information

#### Persistence and degradability
- Not available.
13. Disposal Considerations

Disposal instructions

Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

HP’s Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport Information

Not available.

General

Not a regulated article under United States 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.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

No

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: 1
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Issue date

May 4 2009 11:45AM

Revision

4

Replaces sheet dated

Mar 9 2007 12:35PM

Manufacturer information

Hewlett-Packard Company
11311 Chinden Boulevard
Boise, ID 83714 USA
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209

Other information

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

MSDS sections updated

Hazards Identification: Other information

15. Regulatory Information: US federal regulations

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