Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the preparation
HP LaserJet Print Cartridge 92298A/X

Company Identification
Hewlett-Packard Company
11311 Chinden Boulevard
Boise, Idaho 83714
United States

Emergency Telephone Number Hewlett-Packard Health Effects Line
1-800-457-4209 (USA and Canada)
503-494-7199 (USA direct)
Singapore: +001-800-332-13321

General Information Telephone Number
208-323-2551 (USA direct)

Local Contact Information
Ireland
Liffey Park Technology Park
Barnhall Road Leixlip, Co.
Kildare, Ireland
Phone: 01 6150000

United Kingdom
Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1HN
Phone: 1344 36-0000

<table>
<thead>
<tr>
<th>Hazard Rating</th>
<th>US NFPA/HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Instability/Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
<td>N/A</td>
</tr>
</tbody>
</table>

2.0 Composition/Information on Ingredients

This product is a toner preparation that is used in Hewlett-Packard 4, 4 Plus, 4M, 4M Plus, or 5 LaserJet printers.

<table>
<thead>
<tr>
<th>Component/Substance</th>
<th>CAS Number</th>
<th>EU Number</th>
<th>% by Weight</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene Acrylate Copolymer</td>
<td>-</td>
<td>-</td>
<td>45 - 55</td>
<td>-</td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1317-61-9</td>
<td>215-277-5</td>
<td>45 - 55</td>
<td>-</td>
</tr>
</tbody>
</table>

3.0 Hazard Identification

The preparation is not classified according to EU Directive 1999/45/EC
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3.1 Routes of Exposure  Inhalation, ingestion, skin and eyes.

3.2 Acute Health Hazards

Inhalation: Minimal respiratory tract irritation may occur with exposure to large amount of toner dust
Ingestion: Ingestion is not applicable route of entry for intended use.
Skin: Unlikely to cause skin irritation
Eyes: May cause eye irritation

3.3 Chronic Health Hazards
Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.

3.4 Carcinogenicity
Refer to section 11.

4.0 First Aid Measures

Inhalation: Move person to fresh air immediately. If symptoms occur, consult a physician.
Ingestion: Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.
Skin: Wash affected areas thoroughly with soap and water. If symptoms occur, consult a physician.
Eyes: Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. If symptoms occur, consult a physician.

5.0 Fire Fighting Measures

Extinguishing media CO₂, water, dry chemical
Unsuitable Extinguishing Media None known
Special Firefighting Procedures None
Unusual fire and explosion hazards Toner material, like most organic material in powder form, is capable of creating a dust explosion
Auto-ignition temperature No data available
Flashpoint (method) Not applicable
Hazardous Combustion Products Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

6.0 Accidental release measures

6.1 Spill or leak procedures Wear personal protective equipment as described in Section 8. Minimize the release of particulates. Vacuum or sweep the material into a bag or other sealed container and dispose in accordance with local requirements.
6.2 Environmental precautions
Do not discharge into drains (See also section 13 Disposal Considerations).

7.0 Handling and Storage
Advice on safe handling and protection against fire
Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks, and open flames.

Requirements for storage rooms and advice on storage compatibility
Keep container closed and store at room temperature. Keep away from strong oxidizers.

8.0 Exposure control/ personal protection

8.1 Exposure Limit Values
USA OSHA (TWA)/PEL: 15 mg/m³ (Total Dust)
5 mg/m³ (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m³ (Inhalable Particulate)
3 mg/m³ (Respirable Particulate)

TRGS 900 (Luftgrenzwert): 10 mg/m³ (Einatembare Partikel)
3 mg/m³ (Alveolengängige Fraktion)

8.2 Exposure Controls
Respiratory protection
Not required under intended use
Ventilation
Good general ventilation should be sufficient under intended use

Protective gloves
Not required under intended use
Eye protection
Not required under intended use
Other protective equipment
Not required under intended use

9.0 Physical and chemical properties

pH
Not applicable
Boiling point
Not applicable
Flash point
Not applicable
Melting point
100 - 150°C (Softening Point)
Flammability
Non-flammable solid (according to test methods of USA 16 CFR 1500.44 and 84/449/EEC (Annex V) A.10)

Explosive properties
Toner material, like most organic material in powder form, is capable of creating a dust explosion

Oxidizing properties
No data available

Vapor Pressure
Not applicable

Specific gravity (H₂O=1) 1.4 - 1.6

Solubility in water
Negligible

Solubility in organic solvents
Partially soluble in toluene and xylene

Partition coefficient
Not applicable
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Viscosity  Not applicable
Vapor density  Not applicable
Evaporation rate  Not applicable
Physical state  Fine powder
Color  Black
Odor  Slight plastic odor
Other  None known

10.0 Stability and reactivity

Stability  Stable under normal storage conditions
Incompatibilities  Strong oxidizers
Hazardous decomposition  Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
products
Hazardous polymerization  Will not occur.

11.0 Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures

Acute Toxicity:

Skin Contact:  Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC.

Chronic Toxicity:  No data available

Other Toxicity Data:

Mutagenicity:  Negative, does not indicate mutagenic potential, (Ames Test: Salmonella typhimurium).
Carcinogenicity:  Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

12.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems.

13.0 Disposal considerations

Product / unused product / contaminated packaging (for Germany only)
Recommendation: consultation with the disposal agency and the relevant authorities; cleansing agent is water.

14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

UN Number  None
Class  None
Proper Shipping Name  None
## 15.0 Regulatory information

<table>
<thead>
<tr>
<th>Component</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>US EPA TSCA Inventory</td>
<td>All ingredients are listed on TSCA inventory</td>
</tr>
<tr>
<td>US EPA TSCA 12(b)</td>
<td>None</td>
</tr>
<tr>
<td>US California Proposition 65</td>
<td>None</td>
</tr>
<tr>
<td>EU Notification</td>
<td>All components in this product are compliant with</td>
</tr>
<tr>
<td></td>
<td>EU Chemical Inventory regulations.</td>
</tr>
<tr>
<td>EU R&amp;S Phrase Information</td>
<td>No European Risk Phrases (labeling data)</td>
</tr>
<tr>
<td>Dangerous Components</td>
<td>None</td>
</tr>
<tr>
<td>(CAS No.) wt%</td>
<td></td>
</tr>
<tr>
<td>USA Labeling</td>
<td></td>
</tr>
<tr>
<td>Signal Word</td>
<td>Not required</td>
</tr>
<tr>
<td>Hazard Warning</td>
<td>Not required</td>
</tr>
<tr>
<td>Safety Advice</td>
<td>Not required</td>
</tr>
<tr>
<td>Hazardous Component(s)</td>
<td>None</td>
</tr>
</tbody>
</table>

## 16.0 Other information

- **Date Prepared:** August 1, 2002
- **HP-DMS Document Control Number:** 09000de78021fc96
- **Revision Information:** This document replaces all prior versions of the MSDS
- **Other Information:** This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA Hazard Communications regulations (29CFR1910:1200).

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or their suitability for a particular application.