1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation: HP LaserJetQ5949A-XPrint Cartridge

Use of the preparation: This product is a toner preparation that is used in HP LaserJet 1160/1320/3390 series printers.

Manufacturer information: Hewlett-Packard Company
11311 Chinden Boulevard
Boise, ID 83714 USA

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 15, 2006

MSDS number: 85596

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component/substance</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene acrylate copolymer</td>
<td>Trade Secret</td>
<td>45 - 55</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1317-61-9</td>
<td>40 - 50</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>1 - 2</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Acute health effects
- Skin contact: Unlikely to cause skin irritation.
- Eye contact: May cause transient slight irritation
- Inhalation: Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
- Ingestion: Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

Potential health effects
- Routes of exposure: Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation

Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.

Chronic health effects
- 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.

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, and as amended.

4. FIRST AID MEASURES

First aid procedures
- Skin: Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
MATERIAL SAFETY DATA SHEET

Eye
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, consult a physician.

Inhalation
Move person to fresh air immediately. If irritation persists, consult a physician.

Ingestion
Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

5. FIRE FIGHTING MEASURES

Flash point and method
Not applicable

Auto ignition temperature
Not applicable

Hazardous combustion products
Carbon monoxide and carbon dioxide.

Extinguishing media
CO2, water, or dry chemical

Unsuitable extinguishing media
None known.

Unusual fire and explosion hazard
Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

Fire fighting equipment/instructions
If fire occurs in the printer, treat as an electrical fire.

Special firefighting procedures
None established.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Minimize dust generation and accumulation. Avoid breathing dust.

Environmental precautions
Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

Procedures if material is released or spilled
Slowly vacuum or sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling
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.

Storage
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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)

Personal protective equipment
General
No personal respiratory protective equipment required under normal conditions of use.

Exposure guidelines
Use in a well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

pH
Not applicable

Vapor pressure
Not applicable

Boiling point
Not applicable

Softening point
100 - 150 °C
MATERIAL SAFETY DATA SHEET

Solubility  Negligible in water. Partially soluble in toluene and xylene.
Specific gravity  1.4 - 1.8 (H2O = 1)
Flash point  Not applicable
Viscosity  Not applicable
Vapor density  Not applicable
Evaporation rate  Not applicable
Flammability  Not flammable
Appearance  Fine powder
Form  solid
Odor  Slight plastic odor
Oxidizing properties  No information available.
Other information  Decomposition temperature: > 200 degrees C
Color  Black

10. CHEMICAL STABILITY & REACTIVITY INFORMATION
Stability  Stable under normal storage conditions.
Conditions to avoid  Imaging Drum: Exposure to light
Hazardous polymerization  Will not occur.
Hazardous decomposition products  Carbon monoxide and carbon dioxide.
Incompatibility  Strong oxidizers

11. TOXICOLOGICAL INFORMATION
Complete toxicity data are not available for this specific formulation
Refer to Section 3 for potential health effects and Section 4 for first aid measures.
Dermal irritation  Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
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.
Oral toxicity  LD50/oral/rat >2000 mg/kg , Not harmful. (OECD 401)
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).
Symptoms and target organs
  NIOSH - Pocket Guide - Target Organs
    Amorphous silica  7631-86-9  respiratory system, eyes

12. ECOLOGICAL INFORMATION
Other information  This product has not been tested for ecological effects.
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. TRANSPORTATION INFORMATION

General
Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

IATA
Proper shipping name
Not applicable
Special precautions
None
Packaging exceptions
None
Identification number (UN)
None
Packing group
N/A

15. REGULATORY INFORMATION

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.

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): Contains p-Xylene (CAS No. 106-42-3), subject to export notification requirements.

State regulations
This product contains no chemical substances subject to rules or orders under California Proposition 65.

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

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Section 302 extremely hazardous substance
No
Section 311 hazardous chemical
No
Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

16. OTHER INFORMATION

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

Issue date
Feb 15 2006 12:55PM
MATERIAL SAFETY DATA SHEET

Revision 2
Replaces sheet dated Jan 17 2006 1:35PM

Disclaimer
This [Material] Safety Data Sheet 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 (M)SDS 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.

MSDS sections updated
13. Disposal Considerations: Disposal instructions
16. Other Information: Disclaimer

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
TCPL Toxicity Characteristics Leaching Procedure
TLV Threshold Limit Value
TSCA Toxic Substances Control Act
VOC Volatile Organic Compounds