MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation
HP Color LaserJet C4152A Yellow Print Cartridge

Use of the preparation
This product is a yellow toner preparation that is used in HP Color LaserJet 8500/8550/8550mfp 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
Oct 03, 2005

MSDS number
76615

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>60 - 80</td>
</tr>
<tr>
<td>Wax</td>
<td>Trade Secret</td>
<td>5 - 15</td>
</tr>
<tr>
<td>Pigment</td>
<td>Trade Secret</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Polyester resin</td>
<td>Trade Secret</td>
<td>5 - 10</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 1969/45/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.

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)
TRGS 900 (Luftgrenzwert) - 10 mg/m³ (Einatembare partikel), 3 mg/m³ (Alveolengängige fraktion)

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
- Melting point: 100 - 150 °C (212.0 - 302.0 °F) (Softening point)
- Softening point: 100 - 150 °C (212.0 - 302.0 °F)
- Solubility: Negligible in water. Partially soluble in toluene and xylene.
- Specific gravity: 1 - 1.2 (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: Yellow

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

- Stability: Stable under normal storage conditions.
- 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.
- Chronic toxicity: No information available.
- Oral toxicity: LD50/oral/rat >2000 mg/kg , Not harmful. (OECD 401)
- Inhalation toxicity: LC50: inh/rat > 5 mg/l/4 hrs., not harmful (OECD 403).
- Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
- Carcinogenicity: Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
MATERIAL SAFETY DATA SHEET

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
Other information
This product has not been tested for ecological effects.

13. DISPOSAL CONSIDERATIONS
Disposal instructions
Do not shred print 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
Oct 3 2005 10:17PM

Revision
2

Replaces sheet dated
Apr 19 2005 11:49AM

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
8. Exposure Controls/Personal Protection: Exposure limit values
11. Toxicological Information: Inhalation toxicity

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