



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the preparation	HP Color LaserJet Q6460A Black Print Cartridge
Use of the preparation	This product is a black toner preparation that is used in HP Color LaserJet 4730/4730mfp series printers.
Company identification	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN
Emergency telephone number	
Poison Information Center	0207771 5307
Hewlett-Packard health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
General information telephone number	
	1 344 36-0000
(Toll-free within the US)	1-800-474-6836
(Direct)	1-208-323-2551
Date prepared	06-Jun-2007
SDS number	233361

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Styrene acrylate copolymer	Trade secret	75 - 85		
Wax	Trade secret	5 - 15		
Carbon black	1333-86-4	1 - 6	435-640-3	
Amorphous silica	7631-86-9	1 - 2	418-260-2	Xn, R21

3. HAZARDS IDENTIFICATION

Classification	This product is not classified according to EU Directive 1999/45/EC.
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.



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Carcinogenicity

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.

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**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.

Skin

Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

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

Lower explosion limit

Not flammable

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.

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.



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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)
Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m³)/%SiO₂, ACGIH (TWA/TLV): 10 mg/m³
UK WEL: 10 mg/m³ (Respirable Dust), 5 mg/m³ (Inhalable Dust)

United Kingdom - Workplace Exposure Limits (WELs) - STELs
Amorphous silica 7631-86-9 18 mg/m³ STEL (inhalable dust); 7.2 mg/m³ STEL (respirable dust)
United Kingdom - Workplace Exposure Limits (WELs) - TWAs
Carbon black 1333-86-4 3.5 mg/m³ TWA
United Kingdom - Workplace Exposure Limits (WELs) - TWAs
Amorphous silica 7631-86-9 6 mg/m³ TWA (inhalable dust); 2.4 mg/m³ TWA (respirable dust)
United Kingdom - Workplace Exposure Limits (WELs) - STELs
Carbon black 1333-86-4 7 mg/m³ STEL

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 AND CHEMICAL PROPERTIES

pH Not applicable
Vapour pressure Not applicable
Boiling point Not applicable
Softening point 100 - 150 °C (212 - 302 °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
Vapour density Not applicable
Evaporation rate Not applicable
Flammability Not flammable
Appearance Fine powder
Form solid
Odour Slight plastic odor
Oxidising properties No information available.
Other information Decomposition temperature: > 200 °C
Colour Black

10. STABILITY AND REACTIVITY

Stability Stable under normal storage conditions.
Conditions to avoid Imaging Drum: Exposure to light
Hazardous polymerisation Will not occur.



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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.

Sensitisation 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 >2000mg/kg, (OECD 401), Not harmful.

Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Inhalation toxicity No information available.

Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Carcinogenicity Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

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 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

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



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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.

16. OTHER INFORMATION

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

Ingredient risk phrase definition(s) R21 Harmful in contact with skin.

Other information This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

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Revision 3

Replaces sheet dated May 22 2007 7:59AM

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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