

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the

HP LaserJet Q1338A Print Cartridge

preparation

This product is a toner preparation that is used in HP LaserJet 4200 series printers.

Manufacturer information

Use of the preparation

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 1-208-323-2551

(Direct)

Oct 10, 2005

Date prepared MSDS number

80040

# 2 COMPOSITION / INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	
Polyester resin	Trade Secret	40 - 50	•
Iron oxide	1317-61-9	40 - 50	
Amorphous silica	7631-86-9	1 - 2	

### 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.



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 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

No data available

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

Special firefighting procedures

None established.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Minimize dust generation and accumulation. Avoid breathing dust.

If fire occurs in the printer, treat as an electrical fire.

**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. If a vacuum is used, the motor must be rated as dust explosion-proof. Clean remainder with a damp cloth or vacuum cleaner. 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)

Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV):

10 mg/m3

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

Hq

Not applicable

Vapor pressure

Not applicable

**Boiling point** 

Not applicable

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**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

1.4 - 1.8 (H20 = 1)

Flash point

Not applicable

Viscosity

Not applicable

Vapor density

Not applicable

Flammability

Not flammable

**Appearance** 

Fine powder

Form

solid

Odor

Slight plastic odor

Oxidizing properties

No information available.

Other information

Decomposition temperature: > 200 °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

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#### 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

None

#### 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.

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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:

Flammability: Physical hazard:

0

NFPA ratings

Health:

1

Flammability: Instability:

1

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely

No

hazardous substance

Section 311 hazardous

Hazard categories

No

chemical

Immediate Hazard - No

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

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#### 16. OTHER INFORMATION

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation

(29 CFR 1910.1200).

Issue date

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Revision

2

Replaces sheet dated

Jul 18 2005 7:36PM

Disclaimer

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Section 1 above and may not meet regulatory requirements in other countries.

MSDS sections updated

1. Chemical Product and Company Identification: Identification of the preparation

1. Chemical Product and Company Identification: Use of the preparation

9. Physical & Chemical Properties: Other information

**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

Department of Transportation

COC

Cleveland Open Cup

DOT

Emergency Planning and Community Right-to-Know Act (aka SARA)

EPCRA 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
Volatile Organic Compounds

VOC

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