**SAFETY DATA SHEET**



# Identification

**Product identifier** HP LaserJet Q2612A-AC-AD-AF-L Print Cartridge

**Other means of identification** Not available.

**Recommended use** This product is a toner preparation that is used in HP LaserJe

M1005mfp/1010/1012/1015/1018/1020/1020

plus/1022/M1319fmfp/3015/3020/3030/3050/3050Z/3052/3055 series printers.

**Recommended restrictions** None known.

**Company identification** Hewlett-Packard Company

3000 Hanover Street Palo Alto, CA 94304-1185

United States

Telephone 650-857-5020

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048

HP Customer Care Line

(Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551

Email: [hpcustomer.inquiries@hp.com](mailto:hpcustomer.inquiries@hp.com)

# Hazard(s) identification

## Physical hazards Health hazards Environmental hazards OSHA defined hazards

**Label elements Hazard symbol**

Not classified. Not classified. Not classified. Not classified.

None.

**Signal word** None.

**Hazard statement** Not available.

## Precautionary statement

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

## Hazard(s) not otherwise classified (HNOC)

None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

**Supplemental information** This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

# Composition/information on ingredients

## Mixtures

**Chemical name Common name and synonyms CAS number %**

Styrene acrylate copolymer Iron oxide

Amorphous silica

Trade Secret

Iron oxide 1317-61-9

Amorphous silica 7631-86-9

<55

<50

<3

# First-aid measures

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

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

**Eye contact** 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.

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

## Most important symptoms/effects, acute and delayed

1. **Fire-fighting measures**

Not available.

**Suitable extinguishing media** CO2, water, or dry chemical

## Unsuitable extinguishing media

**Specific hazards arising from the chemical**

**Special protective equipment and precautions for firefighters**

**Fire-fighting equipment/instructions**

None known. Not applicable. Not available.

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

**Specific methods** None established.

# Accidental release measures

## Personal precautions, protective equipment and emergency procedures

**Methods and materials for containment and cleaning up**

Minimize dust generation and accumulation.

Not available.

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

# Handling and storage

**Precautions for safe 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.

## Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.

# Exposure controls/personal protection

## Occupational exposure limits

**US. NIOSH: Pocket Guide to Chemical Hazards Components Type**

**Value**

Amorphous silica (CAS 7631-86-9)

TWA 6 mg/m3

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** 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

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

## Appropriate engineering controls

UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust) Use in a well ventilated area.

## Individual protection measures, such as personal protective equipment Eye/face protection Not available.

**Skin protection**

**Hand protection** Not available.

**Other** Not available.

**Respiratory protection** Not available.

**Thermal hazards** Not available.

# Physical and chemical properties

**Appearance** Fine powder

**Physical state** Solid.

**Color** Black.

**Odor** Slight plastic odor

**Odor threshold** Not available.

**pH** Not applicable

**Melting point/freezing point** Not available.

## Initial boiling point and boiling range

Not applicable

**Flash point** Not applicable

**Evaporation rate** Not available. **Flammability (solid, gas)** Not available. **Upper/lower flammability or explosive limits**

## Flammability limit - lower

**(%)**

**Flammability limit - upper (%)**

**Explosive limit - lower (%)**

**Explosive limit - upper (%)**

Not flammable

Not available. Not available. Not available.

**Vapor pressure** Not applicable

## Solubility(ies)

**Solubility (water)** Negligible in water. Partially soluble in toluene and xylene.

## Partition coefficient (n-octanol/water)

Not available.

**Auto-ignition temperature** Not applicable **Decomposition temperature** > 392 °F (> 200 °C) **Viscosity** Not applicable

## Other information

**Percent volatile** 0 % estimated

**Softening point** 212 - 302 °F (100 - 150 °C)

**Specific gravity** 1.4 - 1.8

# Stability and reactivity

**Reactivity** Not available.

**Chemical stability** Stable under normal storage conditions.

## Possibility of hazardous reactions

Will not occur.

**Conditions to avoid** Imaging Drum: Exposure to light

**Incompatible materials** Strong oxidizers

## Hazardous decomposition products

Carbon monoxide and carbon dioxide.

# Toxicological information

## Symptoms related to the physical, chemical and toxicological characteristics

Not available.

## Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

## Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

## Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met

**Skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met

**Reproductive toxicity** Based on available data, the classification criteria are not met.

## Specific target organ toxicity

* **single exposure**

**Specific target organ toxicity**

* **repeated exposure**

Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met

**Further information** Complete toxicity data are not available for this specific formulation

Refer to Section 2 for potential health effects and Section 4 for first aid measures.

## Components Species

Amorphous silica (CAS 7631-86-9)

## Acute

Oral

LD50 Mouse

## Test Results

> 15000 mg/kg

Rat > 22500 mg/kg

# Ecological information

## Ecotoxicity

**Product**

Q2612A-AC-AD-AF-L

## Aquatic

**Species**

**Test Results**

Fish

LL50

Rainbow Trout

> 1000 mg/l, 96 Hours

**Persistence and degradability** Not available. **Bioaccumulative potential** Not available. **Mobility in soil** Not available.

**Other adverse effects** Not available.

# 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.

# Transport information

## DOT

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.](http://www.hp.com/recycle)

Not regulated as dangerous goods.

## IATA

**UN number**

**UN proper shipping name Transport hazard class(es)**

**Class Subsidiary risk**

**Packing group Environmental hazards Special precautions for user**

**IMDG**

UN2807

Magnetized Material

Not available.

-

Not applicable. No.

Not available.

Not regulated as dangerous goods.

## ADR

Not regulated as dangerous goods.

**Further information** 168 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

# Regulatory information

**US federal regulations** US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

## TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

## CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

## SARA 304 Emergency release notification

Not regulated.

## OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories** Immediate Hazard - No

Delayed Hazard - No

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

## SARA 302 Extremely hazardous substance

Not listed.

## SARA 311/312

**Hazardous chemical Other federal regulations**

**Safe Drinking Water Act**

**(SDWA)**

**US state regulations**

No

Not regulated.

## US. Massachusetts RTK - Substance List

Not regulated.

## US. New Jersey Worker and Community Right-to-Know Act

Not listed.

## US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

## US. Rhode Island RTK

Not regulated.

## US. California Proposition 65

Not Listed.

**Regulatory information** 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.

# Other information, including date of preparation or last revision

**Issue date** 16-Apr-2015

**Revision date** 25-Jun-2015

**Version #** 02

**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.

**Revision Information** Hazard(s) identification: Supplemental information

Toxicological information: Aspiration hazard Toxicological information: Chronic effects Toxicological information: Corrosivity

Toxicological information: Respiratory sensitization

Toxicological information: Specific target organ toxicity - repeated exposure Toxicological information: Specific target organ toxicity - single exposure

**Manufacturer information** Hewlett-Packard Company

11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199

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## Explanation of abbreviations

**ACGIH CAS CERCLA CFR COC DOT EPCRA IARC NIOSH NTP OSHA PEL RCRA REC REL SARA STEL TCLP TLV TSCA VOC**

American Conference of Governmental Industrial Hygienists Chemical Abstracts Service

Comprehensive Environmental Response Compensation and Liability Act Code of Federal Regulations

Cleveland Open Cup Department of Transportation

Emergency Planning and Community Right-to-Know Act (aka SARA) International Agency for Research on Cancer

National Institute for Occupational Safety and Health National Toxicology Program

Occupational Safety and Health Administration Permissible Exposure Limit

Resource Conservation and Recovery Act Recommended

Recommended Exposure Limit

Superfund Amendments and Reauthorization Act of 1986 Short-Term Exposure Limit

Toxicity Characteristics Leaching Procedure Threshold Limit Value

Toxic Substances Control Act Volatile Organic Compounds