



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier HP Color LaserJet Q6003A Magenta Print Cartridge
Issue date 16-Apr-2015
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Version # 04
Product use This product is a magenta toner preparation that is used in HP Color LaserJet CM1015mfp/CM1017mfp/1600/2600/2605 series printers.
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2. Hazards Identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.
Label elements
Hazard symbol None.
Signal word None.
Hazard statement Not available.
Precautionary statement
Prevention Not available.
Response Not available.
Storage Not available.
Disposal Not available.
Other hazards None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

3. Composition / Information on Ingredients

| Hazardous components | CAS # | Percent |
|----------------------------|--------------|---------|
| Titanium dioxide | 13463-67-7 | <1 |
| Non-hazardous components | CAS # | Percent |
| Styrene acrylate copolymer | Trade Secret | <85 |
| Wax | Trade Secret | <15 |
| Pigment | Trade Secret | <6 |
| Silica, Amorphous, Fumed | 7631-86-9 | <2 |

4. First Aid Measures

First aid procedures
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.

| | |
|---------------------|--|
| Skin contact | 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 | Not applicable |
| Flammable properties | Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air. |
| Extinguishing media | |
| Suitable extinguishing media | CO2, water, or dry chemical |
| Unsuitable extinguishing media | None known. |
| Fire fighting equipment/instructions | If fire occurs in the printer, treat as an electrical fire. |
| Specific methods | None established. |
| Explosion data | |
| Sensitivity to static discharge | Not available. |
| Sensitivity to mechanical impact | Not available. |
| Hazardous combustion products | Carbon monoxide and carbon dioxide. |

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. |
| Methods for cleaning up | Not available. |
| Other information | 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. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers. |

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-----------------------------------|------|----------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 |

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components | Type | Value |
|-----------------------------------|------|----------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 |

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|----------------------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 3 mg/m3 | Respirable fraction. |
| | | 10 mg/m3 | Total dust. |

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Components | Type | Value |
|-----------------------------------|------|----------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 |

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Components | Type | Value |
|-----------------------------------|------|----------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 |

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|-------------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | Total dust. |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|-------------|
| Titanium dioxide (CAS 13463-67-7) | PEL | 15 mg/m3 | Total dust. |

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

Personal protective equipment

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

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

Engineering controls Use in a well ventilated area.

Personal protective equipment

Eye/face protection Not available.

Skin protection Not available.

Respiratory protection Not available.

9. Physical & Chemical Properties

| | |
|---|---|
| Appearance | Fine powder |
| Physical state | Solid. |
| Color | Magenta |
| Odor | Slight plastic odor |
| Odor threshold | Not available. |
| pH | Not applicable |
| Vapor pressure | Not applicable |
| Boiling point | Not applicable |
| Melting point/Freezing point | Not available. |
| Solubility (water) | Negligible in water. Partially soluble in toluene and xylene. |
| Specific gravity | 1 - 1.2 |
| Flash point | Not applicable |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not flammable |
| Auto-ignition temperature | Not applicable |
| Evaporation rate | Not applicable |
| Viscosity | Not applicable |
| Percent volatile | 0 % estimated |
| Partition coefficient (n-octanol/water) | Not available. |
| Softening point | 212 - 302 °F (100 - 150 °C) |

Other data

| | |
|----------------------------------|---------------------------|
| Decomposition temperature | > 392 °F (> 200 °C) |
| Oxidizing properties | No information available. |

10. Chemical Stability & Reactivity Information

| | |
|---|---|
| Chemical stability | Stable under normal storage conditions. |
| Conditions to avoid | Imaging Drum: Exposure to light |
| Incompatible materials | Strong oxidizers |
| Hazardous decomposition products | Carbon monoxide and carbon dioxide. |
| Possibility of hazardous reactions | Will not occur. |

11. Toxicological Information

| | |
|---|---|
| Acute effects | Based on available data, the classification criteria are not met. |
| Skin irritation and corrosion | 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 | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| ACGIH Carcinogens | |
| Titanium dioxide (CAS 13463-67-7) | A4 Not classifiable as a human carcinogen. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Silica, Amorphous, Fumed (CAS 7631-86-9) | 3 Not classifiable as to carcinogenicity to humans. |
| Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |
| Germ cell mutagenicity | Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) 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 | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure | 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. |

Toxicological data

| Components | Species | Test Results |
|--|---------|---------------|
| Silica, Amorphous, Fumed (CAS 7631-86-9) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Mouse | > 15000 mg/kg |
| | Rat | > 22500 mg/kg |

12. Ecological Information

| | |
|--------------------------------------|--------------------------------------|
| Ecotoxicity | LL50: > 1000 mg/l, Fish, 96.00 Hours |
| Environmental effects | Not available. |
| Persistence and degradability | Not available. |

Ecotoxicological data

| Product | Species | Test Results |
|----------------|-----------|-----------------------|
| Q6003A | | |
| Aquatic | | |
| Fish | LL50 Fish | > 1000 mg/l, 96 Hours |

| Components | Species | Test Results |
|-----------------------------------|---------|---|
| Titanium dioxide (CAS 13463-67-7) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) > 1000 mg/l, 48 hours |
| Fish | LC50 | Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours |

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

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. Regulatory Information

Other 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

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

NFPA ratings Health: 1
Flammability: 1
Instability: 0

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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 |