



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material name HP Color LaserJet CF300A-AC Black Print Cartridge

Recommended use This product is a black toner preparation that is used in HP Color LaserJet Enterprise flow MFF M880 series printers.

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Version # 03

Company identification HP PPS Australia Pty Ltd
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HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
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Poison Information Centre 131 126 (24 hours)

2. HAZARDS IDENTIFICATION

Classification of the hazardous chemical

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

GHS label elements

Symbols None.

Signal words None.

Hazard statement None.

Precautionary statement

Prevention None.

Response None.

Storage None.

Disposal None.

Other hazards 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. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

Regulatory status Australia: Non-hazardous substance. Non-dangerous goods.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent |
|----------------------------|--------------|---------|
| Styrene acrylate copolymer | Trade Secret | <85 |
| Carbon black | 1333-86-4 | <10 |
| Wax | Trade Secret | <10 |
| Amorphous silica | 7631-86-9 | <3 |
| Titanium dioxide | 13463-67-7 | <1 |

4. 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 out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. |

5. FIRE-FIGHTING MEASURES

| | |
|--|---|
| Suitable extinguishing media | CO2, water, or dry chemical |
| Extinguishing media which must not be used for safety reasons | None known. |
| Unusual fire & explosion hazards | 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. |
| Specific methods | None established. |
| HAZCHEM code | None. |
| Hazardous combustion products | Carbon monoxide and carbon dioxide. |

6. ACCIDENTAL RELEASE MEASURES

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|----------------------------------|---|
| 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. |
| 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 | Form |
|-----------------------------------|------|----------|---------------------|
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m3 | Inhalable fraction. |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|------------------|
| Amorphous silica (CAS 7631-86-9) | TWA | 2 mg/m3 | Respirable dust. |
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m3 | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | Inhalable dust. |

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|----------------------|
| Amorphous silica (CAS 7631-86-9) | TWA | 2 mg/m3 | Respirable fraction. |
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m3 | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | Inspirable dust. |

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

Recommended monitoring procedures

Additional exposure data 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 measures to reduce exposure Use in a well ventilated area.

Personal protective equipment

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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance | Fine powder |
| Physical state | Solid. |
| Color | Black. |
| 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 | Not available. |
| 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 |
| Softening point | 176 - 266 °F (80 - 130 °C) |
| Other data | |
| Decomposition temperature | > 392 °F (> 200 °C) |
| Oxidizing properties | No information available. |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical stability | Stable under normal storage conditions. |
| Conditions to avoid | Imaging Drum: Exposure to light |
| Materials to avoid | Strong oxidizers |
| Hazardous decomposition products | Carbon monoxide and carbon dioxide. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| 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 | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitizer | Based on available data, the classification criteria are not met. |

Carcinogenicity

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

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 ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|-----------------------------------|---|
| Amorphous silica (CAS 7631-86-9) | 3 Not classifiable as to carcinogenicity to humans. |
| Carbon black (CAS 1333-86-4) | 2B Possibly carcinogenic to humans. |
| Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |

Mutagenicity

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

Reproductivity

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 toxicity

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 |
|----------------------------------|---------|---------------|
| Amorphous silica (CAS 7631-86-9) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Mouse | > 15000 mg/kg |
| | Rat | > 22500 mg/kg |
| Carbon black (CAS 1333-86-4) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | > 8000 mg/kg |

12. ECOLOGICAL INFORMATION**Ecotoxicological data**

| Product | Species | Test Results |
|-----------------------------------|-------------------------------------|---|
| CF300A-AC | | |
| Aquatic | | |
| Fish | LC50 | Fish > 100 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 |
| Ecotoxicity | LC50: > 100 mg/l, Fish, 96.00 Hours | |
| Environmental effects | Not available. | |

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**National regulations** No information available.**Australia HVIC: Listed substance**

| | |
|-----------------------------------|---------|
| Amorphous silica (CAS 7631-86-9) | Listed. |
| Carbon black (CAS 1333-86-4) | Listed. |
| Titanium dioxide (CAS 13463-67-7) | 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.

16. OTHER INFORMATION

Other information This SDS was prepared in compliance with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets", 2003.

Disclaimer This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

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This data sheet contains changes from the previous version in section(s): OTHER INFORMATION: Disclaimer

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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 |