



SAFETY DATA SHEET

1. Chemical product and company identification

Product name HP Color LaserJet Q5951A-AC Cyan Print Cartridge
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Recommended use and Limitations on use

Recommended use This product is a cyan toner preparation that is used in HP Color LaserJet 4700 series printers.

2. Hazards identification

GHS classification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

Label elements

Pictogram None.
Signal word None.
Hazard statement None.

Precautionary statement

Prevention None.
Response None.
Storage None.
Disposal None.

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

Supplemental information None.

3. Composition / information on ingredients

Substance or mixture Mixture

Chemical property

| Chemical name | CAS Number | Concentration (%) |
|----------------------------|--------------|-------------------|
| Styrene acrylate copolymer | Trade Secret | <85 |
| Wax | Trade Secret | <15 |
| Wax | | |
| Copper compound | Trade Secret | <5 |
| Copper compound | | |
| Amorphous silica | 7631-86-9 | <2 |
| Amorphous silica | | |

4. First aid measures

First aid measures for different exposure routes

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|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Most important symptoms and effects | Not available. |
| Personal protection for first-aid responders | Not available. |
| Notes to physician | Not available. |

5. Fire-fighting measures

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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Extinguishing media | CO ₂ , water, or dry chemical |
| Extinguishing media to avoid | None known. |
| Specific hazards | Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air. |
| Special fire fighting procedures | If fire occurs in the printer, treat as an electrical fire. |
| Protection of fire-fighters | Not specified. |
| Specific methods | None established. |

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. |
| Spill clean-up methods | 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

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|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | |
| Precautions | Not available. |
| Safe handling advice | 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 | |
| Technical measures | Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers. |
| Suitable storage conditions | Not available. |
| Incompatible materials | Not available. |

8. Exposure controls/personal protection

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|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure limits | No exposure limits noted for ingredient(s). |
| Exposure guidelines | , 5 mg/m ³ (Respirable Fraction) , 3 mg/m ³ (Respirable Particulate) Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m ³)/%SiO ₂ , ACGIH (TWA/TLV): 10 mg/m ³ TRGS 900 (Luftgrenzwert) - 10 mg/m ³ (Einatembare partikel), 3 mg/m ³ (Alveolengängige fraktion) |
| Engineering measures | Use in a well ventilated area. |
| Personal protective equipment | |
| Respiratory protection | Not available. |
| Hand protection | Not available. |
| Eye protection | Not available. |
| Skin and body protection | Not available. |

Hygiene measures Not available.

9. Physical and chemical properties

| | |
|----------------------------------------------------------------|---------------------------------------------------------------|
| Appearance | Fine powder |
| Physical state | Solid. |
| Form | solid |
| Color | Cyan |
| Odor | Slight plastic odor |
| Odor threshold | Not available. |
| pH | Not applicable |
| Melting point/freezing point | Not available. |
| Boiling point, initial boiling point, and boiling range | Not applicable |
| Flash point | Not applicable |
| Auto-ignition temperature | Not applicable |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not flammable |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not applicable |
| Vapor density | Not applicable |
| Evaporation rate | Not applicable |
| Solubility(ies) | |
| Solubility (water) | Negligible in water. Partially soluble in toluene and xylene. |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not applicable |
| Softening point | 212 - 302 °F (100 - 150 °C) |
| Percent volatile | 0 % estimated |
| Other data | |
| Oxidizing properties | No information available. |
| Specific gravity | 1 - 1.2 |

10. Stability and reactivity

| | |
|-------------------------------------------|-----------------------------------------|
| Reactivity | Not available. |
| 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

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|------------------------------------------|-------------------------------------------------------------------|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Routes of exposure | Not available. |
| Symptoms | Not available. |
| 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. |
| Toxic to reproduction | 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. |
| Chronic effects | Not available. |
| Interactive effects | Not available. |
| Other 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. |

12. Ecological information

Ecotoxicological data

| Product | Species | Test Results |
|--------------------------------------|-----------------------------------------------|-----------------------|
| Q5951A-AC | | |
| Aquatic | | |
| Fish | LL50 Rainbow Trout | > 1000 mg/l, 96 Hours |
| Ecotoxicity | LL50: > 1000 mg/l, Rainbow Trout, 96.00 Hours | |
| Persistence and degradability | Not available. | |
| Bioaccumulation | Not available. | |
| Mobility in soil | Not available. | |
| Other hazardous effects | Not available. | |

13. Disposal considerations

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|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal methods/information | Not available. |
| Local disposal regulations | 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

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

15. Regulatory information

Applicable regulations

CWC (Law of RI No. 9 of 2008 re: Prohibition on the Use of Chemicals as Chemical Weapon, March 10, 2008)

Not regulated.

Dangerous Substances that Must be Registered (Regulation of the Minister of Health of the Republic of Indonesia, No. 472/Menkes/Per/V/1996)

Not regulated.

Import and Distribution Control of Hazardous Materials (Minister of Trade Regulation No. 75/M-DAG/PER/10/2014, Annex I)

Not listed.

Precursor Chemicals (Ministry of Industry and Trade Decree No. 647/MPP/Kep/10/2004 concerning Regulation on Import of Precursors, Attachment 1, Oct. 18, 2004)

Not regulated.

Prohibited Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 1)

Not regulated.

Restricted Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 2)

Not regulated.

Toxic and Hazardous Materials List (Decree of the Ministry of Industry on the Safeguarding of Toxic and Hazardous Materials in Industrial Plants, No. 148/M/SK/4/1985)

Not regulated.

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.

Applicable regulations

Hazardous Substances Approved for Use (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment I)

Listed substances

Not regulated.

Listed substances / Allowed until 2040

Not regulated.

16. Other information

Issued by

Company name

HP Inc.

Disclaimer

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Issue date

25-Oct-2018

References and sources for data used to compile the SDS

Not available.

Revision information

Product and Company Identification: Physical States
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Ecological Information: Ecotoxicity
Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

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 |