



SAFETY DATA SHEET

1. Identification

Product identifier HP Color LaserJet W9041MC Cyan Print Cartridge

Other means of identification None.

Recommended use of the chemical and restrictions on use

Recommended use This product is a cyan toner preparation that is used in HP Color LaserJet Managed MFP E77822, HP Color LaserJet Managed MFP E77825, HP Color LaserJet Managed MFP E77830 series printers.

Restrictions on use Not available.

Manufacturer/Importer/Supplier/Distributor information

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HP Inc. health effects line

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2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental 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 which do not result in classification

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.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Non-hazardous components

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------------|--------------------------|--------------|-----|
| Styrene-acrylic resin | | Trade Secret | <74 |
| Ceramic material | | Trade Secret | <19 |
| Paraffin wax | | Trade Secret | <8 |
| Cyan Pigment | | Trade Secret | <5 |
| Silica | | 68909-20-6 | <2 |

Non-hazardous components

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------|--------------------------|--------------|----|
| Carbon black | | 1333-86-4 | <1 |
| Coating materials | | Trade Secret | <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 and 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. DO NOT induce vomiting. Get medical attention immediately. |
| Most important symptoms/effects, acute and delayed | Not available. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water spray, dry chemical, carbon dioxide. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air. |
| Special protective equipment and precautions for firefighters | Wear self-contained breathing apparatus and protective clothing. Wear full set of protective equipment including chemical goggles and gloves. |
| Fire fighting equipment/instructions | If fire occurs in the printer, treat as an electrical fire. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Avoid inhalation of dust. Wash thoroughly after dealing with a spillage. See Section 8 of the SDS for Personal Protective Equipment. Ensure adequate ventilation. Remove victim immediately from source of exposure. Emergency personnel should wear self-contained breathing apparatus. |
| Methods and materials for containment and cleaning up | 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. |
| Environmental precautions | Avoid spreading dust or contaminated materials. Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

| | |
|---|--|
| Precautions for safe handling | Use local exhaust ventilation. Take precautionary measures against static discharges. Use only in well-ventilated areas. Ground and bond containers when transferring material. Avoid inhalation of dust and contact with skin and eyes. Keep away from excessive heat, sparks, and open flames. |
| Conditions for safe storage, including any incompatibilities | Keep out of reach of children. Wash hands after handling. When using, do not eat, drink or smoke. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Keep tightly closed and dry. Store at room temperature. |

8. Exposure controls/personal protection

Occupational exposure limits

Argentina. OELs. Law 19587 (Establishing the Conditions for Health and Safety in the Workplace) and Decree 351/79 Article 61, Annex III, as amended

| Components | Type | Value | Form |
|----------------------------------|------|-----------|---------------------|
| Carbon black (CAS 1333-86-4) | TWA | 3.5 mg/m3 | |
| Paraffin Wax | TWA | 2 mg/m3 | Fume. |
| US. ACGIH Threshold Limit Values | | | |
| Components | Type | Value | Form |
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m3 | Inhalable fraction. |
| Paraffin Wax | TWA | 2 mg/m3 | Fume. |

| | |
|---|--|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Not available. |

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. |

9. Physical and chemical properties

| | |
|---|---|
| Appearance | Fine powder |
| Physical state | Solid. |
| Form | Not available. |
| Color | Cyan |
| Odor | Odorless |
| Odor threshold | No information available |
| pH | Not applicable |
| Melting point/freezing point | No information 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 (%) | 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 |
| Solubility(ies) | |
| Solubility (water) | Insoluble in water. Partially soluble in toluene, chloroform and tetrahydrofurane |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | No data available |
| Decomposition temperature | > 392 °F (> 200 °C) |
| Viscosity | Not applicable |
| Other information | |
| Percent volatile | 0 % estimated |
| Specific gravity | 1.2 g/ml |

10. Stability and reactivity

| | |
|---|----------------|
| Reactivity | Not available. |
| Chemical stability | Not available. |
| Possibility of hazardous reactions | Not available. |
| Conditions to avoid | Not available. |
| Incompatible materials | Not available. |
| Hazardous decomposition products | Not available. |

11. Toxicological information**Information on likely routes of exposure**

| | |
|---------------------|--|
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Contact with skin may result in mild irritation. |
| Eye contact | Contact with eyes may result in mild irritation. |

Ingestion Ingestion is not a likely route of exposure.

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. LD50/oral/rat >5000 mg/kg

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Carbon black (CAS 1333-86-4)

Acute

Oral

| | | |
|------|-----|---------------|
| LD50 | Rat | > 10000 mg/kg |
|------|-----|---------------|

Ceramic material

Acute

Dermal

| | | |
|------|--------|--------------|
| LD50 | Rabbit | > 2500 mg/kg |
|------|--------|--------------|

Inhalation

| | | |
|------|-----|-------------------------------------|
| LC50 | Rat | > 2.3 mg/l, 4 Hours > 0.888 mg/l |
|------|-----|-------------------------------------|

Oral

| | | |
|------|-----|--------------|
| LD50 | Rat | > 2000 mg/kg |
|------|-----|--------------|

Skin corrosion/irritation Based on available data, the classification criteria are not met. Not a known irritant. (OECD 404)

Serious eye damage/eye irritation Based on available data, the classification criteria are not met. Not a known irritant. (OECD 405)

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.

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.

ACGIH Carcinogens

| | |
|------------------------------|--|
| Carbon black (CAS 1333-86-4) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
|------------------------------|--|

Argentina. OELs. Law 19587 (Establishing the Conditions for Health and Safety in the Workplace) and Decree 351/79 Article 61, Annex III, as amended

| | |
|------------------------------|---|
| Carbon black (CAS 1333-86-4) | Not classifiable as a human carcinogen. |
|------------------------------|---|

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.

In a study in rats (H.Muhle) by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the concentration(16mg/m3) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4mg/m3) exposure group. But no pulmonary changes was reported in the lowest (1mg/m3) exposure group, the most relevant level to potential human exposures.

12. Ecological information

Ecotoxicity Not available.

| Components | Species | Test Results |
|--------------------------------------|--|--|
| Ceramic material (CAS Trade Secret) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Algae | ErC50 | Algae 184.6 mg/l, 72 h |
| Crustacea | EC50 | Invertebrates (Invertebrates) 1.9 mg/l, 48 h |
| Fish | LC50 | Fish 457 mg/l, 96 h |
| <i>Chronic</i> | | |
| Fish | EC50 | Fish 0.151 mg/l, 7 d |
| | LC50 | Fish 1.94 mg/l, 16 d |
| Persistence and degradability | Not available. | |
| Bioaccumulative potential | Not available. | |
| Mobility in soil | Not available. | |
| Other adverse effects | This product has not been tested for ecological effects. | |

13. Disposal considerations

| | |
|--|----------------|
| Disposal instructions | Not available. |
| Waste from residues / unused products | Not available. |
| Contaminated packaging | Not available. |

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Active Ingredients Not Permitted in Household Insecticides (Disposición 7292/1998, Annex VII, as amended through Disposicion ANMAT 2659/2008, May 2008)

Not listed.

Chemical Precursors. Decree 1095/96, Annex 1, Lists I, II, III (amended by Decree 1161/00 December 11, 2000)

Not listed.

CWC. Law 26.247 Implementation of the Convention on prohibition of development, production methods, stockpiling and use of chemical weapons and on their destruction (May 21, 2007)

Not regulated

Export Control Chemical Substances (2012)

Not regulated

Small Operators of Controlled Chemicals, Annex I, Lists I and II (Resolution 1227/2010, September 29, 2010)

Not regulated

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information, including date of preparation or last revision

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Version #

01

Disclaimer

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

Revision information

1. Product and Company Identification: Alternate Trade Names
Composition / Information on Ingredients: Ingredients

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 |