



# SAFETY DATA SHEET

## 1. Product and company identification

**Product name** HP Color LaserJet W9041MC Cyan Print Cartridge  
**Company identification** HP New Zealand  
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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 Managed MFP E77822, HP Color LaserJet Managed MFP E77825, HP Color LaserJet Managed MFP E77830 series printers.

## 2. Hazards identification

### GHS classification

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

### Label elements

**Symbols** None.  
**Signal word** 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. This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Chemical property	CAS Number	Concentration (%)
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
Carbon black	1333-86-4	<1

	CAS Number	Concentration (%)
Coating materials	Trade Secret	<1

#### 4. First aid measures

<b>Inhalation</b>	Move person to fresh air immediately. If irritation persists, consult a physician.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth with water. Drink one to two glasses of water. DO NOT induce vomiting. Get medical attention immediately.
<b>Potential delayed effects</b>	Not available.
<b>Personal protection for first-aid responders</b>	Not available.
<b>Notes to physician</b>	Not available.

#### 5. Fire-fighting measures

<b>Extinguishing media</b>	Water spray, dry chemical, carbon dioxide.
<b>Extinguishing media to avoid</b>	None known.
<b>HAZCHEM Code Number</b>	None.
<b>Specific hazards during fire fighting</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
<b>Special fire fighting procedures</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Protection of fire-fighters</b>	Wear self-contained breathing apparatus and protective clothing. Wear full set of protective equipment including chemical goggles and gloves.
<b>Hazards from combustion products</b>	None.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Environmental precautions</b>	Avoid spreading dust or contaminated materials. Avoid discharge into drains, water courses or onto the ground.
<b>Spill cleanup methods</b>	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

<b>Handling</b>	
<b>Precautions</b>	Not available.
<b>Safe handling advice</b>	Not available.
<b>Prevention of fire and explosion</b>	Not available.
<b>Storage</b>	
<b>Suitable storage conditions</b>	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.
<b>Incompatible materials</b>	Not available.

#### 8. Exposure controls/personal protection

##### Exposure limits

##### New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 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.

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	STEL	7 mg/m3	
	TWA	3.5 mg/m3	
Paraffin Wax	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.

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

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	
Paraffin Wax	TWA	2 mg/m3	Fume.

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

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	
Paraffin Wax	TWA	2 mg/m3	Fume.

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

**Engineering controls****Personal protective equipment**

<b>Respiratory protection</b>	Not available.
<b>Skin protection</b>	Not available.
<b>Eye/face protection</b>	Not available.
<b>Radioactive or thermal hazards</b>	Not available.
<b>Hygiene measures</b>	Not available.

**9. Physical and chemical properties**

<b>Appearance</b>	Fine powder
<b>Physical state</b>	Solid.
<b>Form</b>	Not available.
<b>Color</b>	Cyan
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	No information available
<b>Boiling point, initial boiling point, and boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not flammable
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Evaporation rate</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble in water. Partially soluble in toluene, chloroform and tetrahydrofurane

<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	> 392 °F (> 200 °C)
<b>Viscosity</b>	Not applicable
<b>Percent volatile</b>	0 % estimated
<b>Other data</b>	
<b>Specific gravity</b>	1.2 g/ml

## 10. Stability and reactivity

<b>Stability</b>	None.
<b>Conditions to avoid</b>	None.
<b>Incompatible materials</b>	None.
<b>Hazardous decomposition products</b>	None.
<b>Possibility of hazardous reactions</b>	None.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Ingestion is not a likely route of exposure.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.

**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)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 10000 mg/kg
Ceramic material		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2500 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 2.3 mg/l, 4 Hours > 0.888 mg/l
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg

**Routes of exposure** Not available.

**Symptoms** Not available.

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

**Skin sensitizer** 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.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

**Toxic to reproduction** Based on available data, the classification criteria are not met.

<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Chronic effects</b>	Not available.
<b>Relevant negative data</b>	Not available.
<b>Other information</b>	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

### Ecotoxicological data

Components	Species	Test Results
Ceramic material (CAS Trade Secret)		
<b>Aquatic</b>		
<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
<b>Ecotoxicity</b>	Not available.	
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulation</b>	Not available.	
<b>Partition coefficient n-octanol/water (log Kow)</b>	Not available.	
<b>Bioconcentration factor (BCF)</b>	Not available.	
<b>Mobility</b>	Not available.	
<b>Other hazardous effects</b>	This product has not been tested for ecological effects.	

## 13. Disposal considerations

<b>Disposal methods/information</b>	Not available.
<b>Special precautions</b>	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

### Applicable regulations

#### New Zealand Inventory of Chemicals (NZIoC): Registration status

Carbon black (CAS 1333-86-4)	HSNO Approved
Ceramic material (CAS Trade Secret)	May be used as a single component chemical under an appropriate group standard
Paraffin wax (CAS Trade Secret)	May be used as a single component chemical under an appropriate group standard

## 16. Other information

**References** Not available.

**Issued by**  
Not available.

**Prepared by**  
Not available.

**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.

**Issue date** 23-Mar-2017

**Revision date** 04-Aug-2018

**Revision information** Accidental release measures: Spill cleanup methods  
Toxicological information: Other information  
Toxicological information: Eye contact  
Toxicological information: Ingestion  
Toxicological information: Inhalation  
Toxicological information: Skin contact  
Other information: Disclaimer

### Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds