



# SAFETY DATA SHEET

## 1. Identification

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***
<b>Product identifier</b>	HP Color LaserJet W2171Z-ZC Cyan Print Cartridge
<b>Other means of identification</b>	None.
<b>Recommended use</b>	This product is a toner preparation that is used in HP Color LaserJet Enterprise 5700 5800 6700 6800, HP Color LaserJet Enterprise X654, HP Color LaserJet Enterprise MFP X677, HP Color LaserJet Managed MFP E686, HP Color LaserJet Enterprise X55745, HP Color LaserJet Enterprise MFP X57945 series printers.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	HP Inc. 1501 Page Mill Road Palo Alto, CA 94304-1112 United States
<b>Telephone</b>	650-857-1501
<b>HP Inc. health effects line (Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-760-710-0048
<b>HP Inc. Customer Care Line (Toll-free within the US)</b>	1-800-474-6836
<b>(Direct)</b>	1-208-323-2551
<b>Email:</b>	sustainability@hp.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	Not available.
<b>Precautionary statement</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.
<b>Supplemental information</b>	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		CBI	<85
Wax	Wax	CBI	<15
Pigment	Pigment	CBI	<10

#### 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 or persists.
<b>Eye contact</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.
<b>Ingestion</b>	Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	CO2, water, or dry chemical
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
<b>Special protective equipment and precautions for firefighters</b>	Not available.
<b>Fire fighting equipment/instructions</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Specific methods</b>	None established.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes.
<b>Methods and materials for containment and cleaning up</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.
<b>Environmental precautions</b>	Keep out of waterways

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid breathing dust or vapor. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation.
<b>Conditions for safe storage, including any incompatibilities</b>	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

<b>Occupational exposure limits</b>	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Not available.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Not available.
<b>Skin protection</b>	
<b>Hand protection</b>	Not available.
<b>Other</b>	Not available.
<b>Respiratory protection</b>	Not available.
<b>Thermal hazards</b>	Not available.

#### 9. Physical and chemical properties

<b>Appearance</b>	Powder.
<b>Physical state</b>	Solid.

<b>Form</b>	solid
<b>Color</b>	Cyan
<b>Odor</b>	Slight plastic odor
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not flammable
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable
<b>Relative vapor density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Partially soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	>392 °F (>200 °C)
<b>Viscosity</b>	Not applicable
<b>Other information</b>	
<b>Density</b>	Not available.
<b>Oxidizing properties</b>	No information available.
<b>Percent volatile</b>	Negligible
<b>Softening point</b>	176 - 266 °F (80 - 130 °C)
<b>Specific gravity</b>	1 - 1.2
<b>VOC</b>	Not applicable

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## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	None.
<b>Conditions to avoid</b>	None.
<b>Incompatible materials</b>	Acids, Bases, Oxidizing agents, Reducing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

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## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Not available.
<b>Skin contact</b>	Not available.
<b>Eye contact</b>	Not available.
<b>Ingestion</b>	Not available.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

**Acute toxicity** LD50 > 2000 mg/kg (Ingestion)

<b>Skin corrosion/irritation</b>	Non-irritant
<b>Serious eye damage/eye irritation</b>	Transient slight conjunctival irritation only
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Non - Sensitizing
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
<b>Carcinogenicity</b>	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Not listed.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>	Not listed.
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	Not listed.
<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Reported pulmonary response upon chronic inhalation exposure in rats to a toner enriched in respirable-sized particles compared to commercial toner. No pulmonary change was found at 1 mg/m <sup>3</sup> which is most relevant to potential human exposure. A minimal to mild degree of fibrosis was noted in 22% of the animals at 4 mg/m <sup>3</sup> , and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m <sup>3</sup> . These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lung for a prolonged interval.
<b>Aspiration hazard</b>	Not available.
<b>Further information</b>	No information available.

## 12. Ecological information

**Ecotoxicity** LL50: >100 mg/l, Fish, 96.00 Hours

Product	Species		Test Results
W2171Z-ZC			
<b>Aquatic</b>			
Algae	ErL50	Algae	> 100 mg/l, 72 Hours
Crustacea	EL50	Crustacea	> 100 mg/l, 48 Hours
Fish	LL50	Fish	> 100 mg/l, 96 Hours

**Persistence and degradability** Not available.  
**Bioaccumulative potential** Not available.  
**Mobility in soil** Not available.  
**Other adverse 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

**DOT**

**UN number** Not regulated as dangerous goods.  
**UN proper shipping name** Not Regulated  
**Transport hazard class(es)**  
    **Class** Not assigned.  
    **Subsidiary risk** -  
**Packing group** Not assigned.

**Environmental hazards****Marine pollutant** No**Special precautions for user** Not assigned.**IATA****UN number** Not regulated as dangerous goods.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not assigned**Subsidiary risk** -**Packing group** Not assigned**Environmental hazards** No**Special precautions for user** Not assigned**IMDG****UN number** Not regulated as dangerous goods.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not assigned.**Subsidiary risk** -**Packing group** Not assigned.**Transport hazard class(es)****Marine pollutant** No**EmS** Not assigned.**Special precautions for user** Not assigned.**ADR****UN number** Not regulated as dangerous goods.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not assigned**Subsidiary risk** -**Hazard No. (ADR)** Not assigned**Tunnel restriction code** Not assigned**Packing group** Not assigned**Environmental hazards** No**Soecial precautions for user** Not assigned**Further information** Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

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**15. Regulatory information****US federal regulations** US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.**Toxic Substances Control Act (TSCA)****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

No intentionally added HAP substances.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** 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.

**Clean Air Act (CAA)** No intentionally added HAP substances.

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

**Issue date** 03-Apr-2023

**Revision date** 11-Sep-2023

**Version #** 02

**Other information** This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

**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.

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** Hazard(s) identification: Hazard(s) not otherwise classified (HNOC)

## Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>Acute Tox.</b>	Acute toxicity
<b>Aquatic Acute</b>	Short-term (acute) aquatic hazard
<b>Aquatic Chronic</b>	Long-term (chronic) aquatic hazard
<b>Asp. Tox.</b>	Aspiration hazard
<b>Carc.</b>	Carcinogenicity
<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>Eye Dam.</b>	Serious eye damage
<b>Eye Irrit.</b>	Eye Irritation
<b>Flam. Liq.</b>	Flammable liquids
<b>Flam. Sol.</b>	Flammable solids
<b>Lact.</b>	Effects on or via lactation
<b>Muta.</b>	Germ cell mutagenicity
<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>Ox. Liq.</b>	Oxidising liquids
<b>Ozone</b>	Hazardous to the ozone layer
<b>PEL</b>	Permissible Exposure Limit
<b>Press. Gas</b>	Gases under pressure
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>Repr.</b>	Reproductive toxicity
<b>Resp. Sens.</b>	Respiratory sensitization
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>Skin Corr.</b>	Skin corrosion
<b>Skin Irrit.</b>	Skin irritation
<b>Skin Sens.</b>	Skin sensitization
<b>STEL</b>	Short-Term Exposure Limit
<b>STOT RE</b>	Specific target organ toxicity - repeated exposure
<b>STOT SE</b>	Specific target organ toxicity - single exposure
<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