



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

Important information	*** 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. ***
1.1. Product identifier	
Trade name or designation of the mixture	HP LaserJet CF289A-X-Y-YC Print Cartridge
Registration number	-
Synonyms	None.
Issue date	01-Mar-2019
Version number	16
Revision date	16-May-2024
Supersedes date	04-Jul-2023
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	This product is a toner preparation that is used in HP LaserJet Enterprise M507x, M507dn, M507n, M507dng, HP LJ Enterprise Flow MFP M528z, M528c, E52645c, HP LJ Mngd E52645dn, E50145dn, HP LJ Entrprise MFP M528f, M528dn series printers.
Uses advised against	None known.
1.3. Details of the supplier of the safety data sheet	
Telephone	HP Inc UK Ltd, Regulatory Enquiries, Earley West 300 Thames Valley Park Drive, Reading, RG6 1PT +44 20 7660 0596 (Consumer) +44 20 7660 0403 (Commercial)
HP Inc. health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-760-710-0048
HP Inc. Customer Care Line	
(Toll-free within the US)	1-800-474-6836
(Direct)	1-208-323-2551
Email:	sustainability@hp.com
1.4 Emergency telephone number	+44 20 35147487

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification as hazardous according to Regulation (EC) 1272/2008.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Amorphous silica, Iron oxide, Styrene acrylate copolymer, Wax
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	None.

### 2.3. Other hazards

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.

Endocrine disrupting properties (Toxicity/Ecotoxicity): This mixture does not contain known components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels above possible trace contaminate levels.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Styrene acrylate copolymer	<50	Trade Secret	-	-	
Classification: -					
Iron oxide	<45	1317-61-9 215-277-5	01-2119457646-28-XXXX	-	
Classification: -					
Wax	<15	Proprietary	-	-	
Classification: -					
Amorphous silica	<3	7631-86-9 231-545-4	01-2119379499-16-xxxx	-	
Classification: -					

## SECTION 4: First aid measures

General information Not available.

### 4.1. Description of 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 with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Not available.

## SECTION 5: Firefighting measures

General fire hazards Not available.

### 5.1. Extinguishing media

Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

### 5.3. Advice for firefighters

Special protective equipment for firefighters	Not available.
Special fire fighting procedures	If fire occurs in the printer, treat as an electrical fire.

Specific methods None established.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Avoid contact with skin and eyes.
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<b>For emergency responders</b>	Not available.
<b>6.2. Environmental precautions</b>	Keep out of waterways
<b>6.3. Methods and material 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>6.4. Reference to other sections</b>	Not available.

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## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	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.
<b>7.2. 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.
<b>7.3. Specific end use(s)</b>	Not available.

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## SECTION 8: Exposure controls/personal protection

<b>8.1. Control parameters</b>	
<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Recommended monitoring procedures</b>	Not available.
<b>Derived no effect levels (DNELs)</b>	Not available.
<b>Predicted no effect concentrations (PNECs)</b>	Not available.
<b>8.2. Exposure controls</b>	
<b>Appropriate engineering controls</b>	None established.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>General information</b>	No personal respiratory protective equipment required under normal conditions of use.
<b>Eye/face protection</b>	Not available.
<b>Skin protection</b>	
- Hand protection	Not available.
- Other	Not available.
<b>Respiratory protection</b>	Not available.
<b>Thermal hazards</b>	Not available.
<b>Hygiene measures</b>	Not available.
<b>Environmental exposure controls</b>	Not available.

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## SECTION 9: Physical and chemical properties

<b>9.1. Information on basic physical and chemical properties</b>	
<b>Appearance</b>	Fine powder
<b>Physical state</b>	Solid.
<b>Form</b>	solid
<b>Color</b>	Black.
<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 density</b>	Not applicable
<b>Density and/or relative density</b>	
Relative density	1.4 - 1.8 g/cm <sup>3</sup>
<b>Napor density</b>	Not applicable
<b>Solubility(ies)</b>	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
<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>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	No information available.
<b>9.2. Other information</b>	
Percent volatile	Negligible
Softening point	194 - 284 °F (90 - 140 °C)
Specific gravity	1.4 - 1.8
VOC	Not applicable

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Not available.
<b>10.2. Chemical stability</b>	Stable under normal storage conditions.
<b>10.3. Possibility of hazardous reactions</b>	None.
<b>10.4. Conditions to avoid</b>	None.
<b>10.5. Incompatible materials</b>	Acids, Bases, Oxidizing agents, Reducing agents.
<b>10.6. Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

<b>General information</b>	Not available.
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### 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.

<b>Symptoms</b>	Not available.
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### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	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 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>	Not available.
<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>Mixture versus substance information</b>	Not available.
<b>Other information</b>	No information available.

## SECTION 12: Ecological information

**12.1. Toxicity** LL50: >100 mg/l, Fish, 96.00 Hours

Product	Species		Test Results
CF289A-X-Y-YC			
Aquatic			
Algae	ErL50	Algae	> 100 mg/l, 72 Hours
Crustacea	EL50	Crustacea	> 100 mg/l, 48 Hours
Fish	LL50	Fish	> 100 mg/l, 96 Hours

**12.2. Persistence and degradability** Not available.

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)** Not available.

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Residual waste** Not available.

**Contaminated packaging** Not available.

**EU waste code** Not available.

**Disposal methods/information** 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>.

## SECTION 14: Transport information

### ADR

**14.1. UN number** Not regulated as dangerous goods.

**14.2. UN proper shipping name** Not Regulated

#### 14.3. Transport hazard class(es)

**Class** Not assigned.

**Subsidiary risk** -

**Hazard No. (ADR)** Not assigned.

**Tunnel restriction code** Not assigned.

**14.4. Packing group** Not assigned.

**14.5. Environmental hazards** No

**14.6. Special precautions for user** Not assigned.

### IATA

**14.1. UN number** UN2807

**14.2. UN proper shipping name** Magnetized Material

#### 14.3. Transport hazard class(es)

**Class** 9

**Subsidiary risk** -

**14.4. Packing group** None

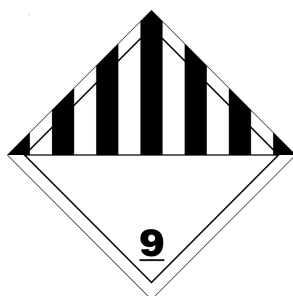
**14.5. Environmental hazards** No

**14.6. Special precautions for user** Not assigned.

## IMDG

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not Regulated
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	Not assigned.
14.5. Environmental hazards	
Marine pollutant	No
EmS	Not assigned.
14.6. Special precautions for user	Not assigned.
14.7. Maritime transport in bulk according to IMO instruments	Not available.

## IATA



Further information                      None known.

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Retained direct EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended  
Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended  
Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended  
Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA  
Not listed.

#### Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended  
Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended  
Not listed.

#### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended  
Not listed.

#### Other regulations

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.

Not available.

**15.2. Chemical safety assessment**

See attached SUMI or GEIS document, if applicable.

**Other information**

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830.  
Classification according to Regulation (EC) No 1272/2008 as amended.

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**SECTION 16: Other information**

**References**

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

**Information on evaluation method leading to the classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any statements, which are not written out in full under sections 2 to 15**

None.

**Revision information**

SECTION 2: Hazards identification: 2.3. Other hazards  
15. Regulatory Information: Regulatory Information  
SECTION 15: Regulatory information: International regulations

**Training information**

Follow training instructions when handling this material.

**Disclaimer**

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## 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