



SAFETY DATA SHEET

1. Identification (company name & product)

Product name HP LaserJet CE505A-AC-X-XC-XD Print Cartridge

Recommended use and Limitations on use

Recommended use This product is a toner preparation that is used in HP LaserJet P2055/P2035 series printers

Company identification

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2. Hazards identification

Physical hazards Not classified as a physical hazard.

Health hazards Not classified as a health hazard.

Environmental hazards Not classified as an environmental hazard.

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

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property

Chemical name	CAS Number	Concentration (%)
Styrene acrylate copolymer	Trade Secret	<55
Ferrite including zinc	Trade Secret	<50
Amorphous silica	7631-86-9	<2
Amorphous silica		

4. First aid measures

First aid measures for different exposure routes

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.

Personal protection for first-aid responders Not available.

Notes to physician Not available.

5. Fire-fighting measures

Flash point Not applicable

Extinguishing media CO2, water, or dry chemical

Extinguishing media to avoid None known.

Specific hazards during fire fighting	Not available.
Special fire fighting procedures	If fire occurs in the printer, treat as an electrical fire.
Protection of fire-fighters	Not available.
Specific hazards arising from combustion	Not available.
Specific methods	None established.

6. Accidental release measures

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.
Emergency procedures	Not available.
Spill cleanup methods	Not available.

7. Handling and storage

Handling

Precautions	Not available.
Safe handling advice	Not available.

Storage

Technical measures	Not available.
Suitable storage conditions	Not available.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Exposure limits

No exposure limits noted for the ingredient(s).

Engineering measures	Use in a well ventilated area.
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Personal protective equipment

General	No personal respiratory protective equipment required under normal conditions of use.
Respiratory protection	Not available.
Hand protection	Not available.
Eye protection	Not available.
Skin and body protection	Not available.
Thermal hazards	Not available.

9. Physical and chemical properties

Appearance	Fine powder
Physical state	Solid.
Form	solid
Color	Black.
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
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
Evaporation rate	Not applicable
Relative density	1.4 - 1.8
Solubility	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Softening point	212 - 302 °F (100 - 150 °C)
Percent volatile	Negligible
Other data	
Oxidizing properties	No information available.
Specific gravity	1.4 - 1.8
VOC (Weight %)	Not applicable

10. Stability and reactivity

Stability	Stable under normal storage conditions.
Reactivity	Not available.
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

Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Carcinogenicity	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.
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 LL50: > 1000 mg/l, Rainbow Trout, 96.00 Hours

Product	Species	Test Results
CE505A-AC-X-XC-XD		
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

Residual waste	Not available.
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Contaminated packaging	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

International regulations

IATA

UN number	UN2807
Proper shipping name	Magnetized Material
Special transport precautions and conditions	Not available.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory information

Applicable regulations

Montreal Protocol	Not applicable.
Rotterdam Convention	Not applicable.
Stockholm Convention	Not applicable.

Labeling

Contains Amorphous silica, Ferrite including zinc, Styrene acrylate copolymer

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.

16. Other information

Recommended use and Limitations on use

Recommended use	This product is a toner preparation that is used in HP LaserJet P2055/P2035 series printers
Limitations on use	Not available.

List of abbreviations Not available.

References Not available.

Disclaimer This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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.

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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