SAFETY DATA SHEET

Section 1 - Identification

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. ***

Product identifier HP LaserJet CF232A Print Cartridge

Other means of identification None.

Recommended use of the chemical and restrictions on use

Recommended use This product is a toner preparation that is used in HP LaserJet Ultra M203, HP LaserJet Ultra M206, HP LaserJet Ultra M227, HP LaserJet Ultra M230 series printers.

Restrictions on use Not available.

Details of manufacturer or importer

HP PPS Australia Pty Ltd
Rhodes Corporate Park Building F
Level 5, 1 Homebush Bay Drive
Rhodes
NSW 2138
Australia
+61 2 8278 4492

HP Inc. health effects line

Australia Local Telephone Number +61 1 800 686 951
(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

Section 2 - Hazard(s) identification

Classification of the hazardous chemical

Physical hazards Not classified.
Health hazards Not classified.

Label elements, including precautionary statements

Hazard symbol(s) None.
Signal word None.
Hazard statement(s) Not available.
Precautionary statement(s)
Prevention Not available.
Response Not available.
Storage Not available.
Disposal Not available.

Supplemental information None.

Other hazards which do not result in classification None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

Section 3 - Composition and information on ingredients

Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Styrene acrylate copolymer	Trade Secret	<60
Iron oxide	1317-61-9	<40
Wax Wax	Trade Secret	<15
Polyester resin Polyester resin	Proprietary	<10
Amorphous silica Amorphous silica	7631-86-9	<3

Section 4 - First aid measures

Description of necessary 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.
Personal protection for first-aid responders	Not available.
Symptoms caused by exposure	Not available.
Medical attention and special treatment	Not available.

Section 5 - Firefighting measures

Extinguishing media

Suitable extinguishing equipment	CO_2, water, or dry chemical
Unsuitable extinguishing equipment	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	Not available.
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Hazchem code	None.
Specific methods	None established.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Avoid contact with skin and eyes.
For emergency responders	Not available.
Environmental precautions	Keep out of waterways
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.

Section 7 - Handling and storage

Precautions for safe handling	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.

Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.

Section 8 - Exposure controls and personal protection

Control parameters

Occupational exposure limits

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

Components	Type	Value	Form
Amorphous silica (CAS 7631-86-9)	TWA	2 mg/m3	Respirable dust.

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

Components	Type	Value	Form
Amorphous silica (CAS 7631-86-9)	TWA	2 mg/m3	Respirable fraction.

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Amorphous silica (CAS 7631-86-9)	TWA	4 mg/m3	Inhalable fraction.

Biological limit values	No biological exposure limits noted for the ingredient(s).
Control banding	Not available.
Engineering controls	None established.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.

Section 9 - Physical and chemical properties

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 and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower explosive limits	
Explosion limit - lower (%)	Not flammable
Explosion limit - upper (%)	Not available.
Vapor pressure	Not applicable
Relative vapor density	Not applicable
Solubility	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient: n-octanol/water	Not available.

Auto-ignition temperature	No data available
Decomposition temperature	392 °F (200 °C)
Viscosity	Not applicable
Particle characteristics	Not available.
Data relevant with regard to physical hazard classes	No relevant additional information available.

Other physical and chemical parameters

Oxidizing properties	No information available.
Percent volatile	Negligible
Softening point	212 - 302 °F (100 - 150 °C)
Specific gravity	1.4 - 1.8
VOC	Not applicable

Section 10 - Stability and reactivity

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

Section 11 - Toxicological information

Information on possible routes of exposure

Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.
Early onset symptoms related to exposure	Not available.
Delayed health effects from exposure	Not available.
Acute toxicity	LD50 > 2000 mg/kg (Ingestion)
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Transient slight conjunctival irritation only

Respiratory or skin sensitization

Respiratory sensitization	Non - Sensitizing
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)

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous silica (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	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/m3 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/m3, and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m3. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lung for a prolonged interval.
Aspiration hazard	Not available.

Other information No information available.

Section 12 - Ecological information

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

Product		Species	Test Results
CF232A			
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

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Other adverse effects Not available.

Section 13 - Disposal considerations

Disposal methods 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

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** UN2807
- **UN proper shipping name** Magnetized Material
- **Transport hazard class(es)**
  - **Class** 9
  - **Subsidiary risk** -
- **Packing group** None
- **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.

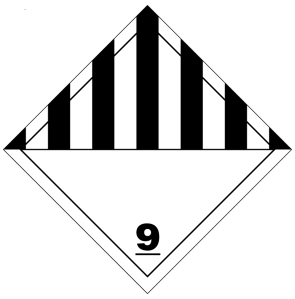
ADR

- **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

IATA



Further information None known.

Section 15 - Regulatory information

Safety, health and environmental regulations

National regulations

High Volume Industrial Chemicals (HVIC)

Amorphous silica (CAS 7631-86-9)	10000 - 99999 TONNES See the regulation for additional information.
Iron oxide (CAS 1317-61-9)	1000 - 9999 TONNES See the regulation for additional information.

Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10, as amended)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

International 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.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Section 16 - Any other relevant information

Issue date 13-Apr-2023

Other information This SDS was prepared in compliance with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets", 2003.

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 1. Product and Company Identification: Alternate Trade Names

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