



SAFETY DATA SHEET

Version #: 03

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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 Color LaserJet W2200A-X Black Print Cartridge
Registration number	-
Synonyms	None.
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 Color LaserJet Pro 4201, HP Color LaserJet Pro 4202, HP Color LaserJet Pro 4203, HP Color LaserJet Pro MFP 4301, HP Color LaserJet Pro MFP 4302, HP Color LaserJet Pro MFP 4303 series printers.
Uses advised against	None known.
1.3. Details of the supplier of the safety data sheet	
	HP Belgium BVBA Hermeslaan 1B, Floor B1 Diegem Belgium 1831
Telephone	+32 2 620 1600
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	+1 760 476 3961

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:	Carbon Black, 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

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.

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. May form explosible dust-air mixture if dispersed.

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	<80	CBI	-	-	
Classification: -					
Wax	<15	CBI	-	-	
Classification: -					
Carbon Black	<10	1333-86-4 215-609-9	01-2119384822-32-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	Flush thoroughly with water. If irritation occurs, get medical assistance.
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.
For emergency responders	Not available.

6.2. Environmental precautions Keep out of waterways

6.3. Methods and material 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.

6.4. Reference to other sections

Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid breathing dust or vapor. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation.

7.2. 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.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium. Exposure Limit Values Components

Carbon black (CAS 1333-86-4)

Type

TWA

Value

3 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Not available.

Derived no effect levels (DNELs)

General population

Components

Carbon Black (CAS 1333-86-4)

Long-term, Local, Inhalation

Long-term, Systemic, Inhalation

Value

1,75 mg/m3

0,06 mg/m3

Assessment factor

2

5

Notes

Workers

Components

Carbon Black (CAS 1333-86-4)

Long-term, Local, Inhalation

Long-term, Systemic, Inhalation

Value

2 mg/m3

1 mg/m3

Assessment factor

1

1

Notes

Predicted no effect concentrations (PNECs)

Components

Carbon Black (CAS 1333-86-4)

Freshwater

Marine water

Value

5 mg/l

5 mg/l

Assessment factor

Notes

Exposure guidelines

Belgium : TWA 3 mg/m3

Czech Republic : TWA : 2 mg/m3

Denmark : TWA 3.5 mg/m3

Finland : TWA : 3.5 mg/m3, STEL: 7 mg/m3

France : TWA 3.5 mg/m3

Greece : TWA: 3.5 mg/m3 ; STEL: 7 mg/m3

Ireland : TWA: 3 mg/m3 inhalable fraction , STEL : 15 mg/m3 inhalable fraction

Poland : TWA: 3.5 mg/m3 inhalable fraction

Portugal : TWA 3 mg/m3

Slovakia : TWA: 2 mg/m3 respirable fraction, 5% or less fibrogenic component; TWA: 10 mg/m3 respirable fraction, greater than 5% fibrogenic component; TWA: 10 mg/m3 total aerosol

Spain : TWA 3.5 mg/m3

Sweden : TLV 3 mg/m3

UK : TWA: 3.5 mg/m3 inhalable dust STEL 7 mg/m3 respirable dust

Norway : TWA: 3.5 mg/m3 respirable dust STEL: 7 mg/m3 respirable dust

8.2. Exposure controls

Appropriate engineering controls

None established. No exposure limits noted for ingredient(s).

Individual protection measures, such as personal protective equipment

General information

Not available.

Eye/face protection

No personal eye/face protective equipment required under normal conditions of use.

Skin protection

- Hand protection	No personal hand protective equipment required under normal conditions of use.
- Other	Not available.
Respiratory protection	No personal respiratory protective equipment required under normal conditions of use.
Thermal hazards	Not available.
Hygiene measures	Not available.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Form	solid
Color	Black.
Odor	Slight plastic odor
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not flammable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	>392 °F (>200 °C)
pH	Not applicable
Kinematic viscosity	Not available.
Solubility	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water) (log value)	Not available.
Vapor density	Not applicable
Density and/or relative density	
Relative density	1 - 1,2 g/cm3
Vapor density	Not applicable
Particle characteristics	Not available.
Explosive properties	Not available.
Oxidizing properties	No information available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Percent volatile	Negligible
Softening point	176 - 266 °F (80 - 130 °C)
Specific gravity	1 - 1,2
Viscosity	Not applicable
VOC	Not applicable

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Inhalation Not available.

Skin contact Not available.

Eye contact Not available.

Ingestion Not available.

Symptoms Not available.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity LD50 > 2000 mg/kg (Ingestion)

Components	Species	Test Results
Carbon Black (CAS 1333-86-4)		
<u>Acute</u>		
Oral		
LD50	Rat	> 10000 mg/kg
Skin corrosion/irritation	Non-irritant	
Serious eye damage/eye irritation	Transient slight conjunctival irritation only	
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	The IARC evaluated carbon black as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. However, there is a two-year inhalation study of a toner containing carbon black which demonstrated no association between toner exposure and tumor development in rats.	
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.	
Mixture versus substance information	Not available.	
11.2. Information on other hazards		
Endocrine disrupting properties	(Toxicity): 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.	
Other information	No information available.	

SECTION 12: Ecological information

12.1. Toxicity EL50: >100 mg/l, Crustacea, 48,00 Hours

Product	Species		Test Results
W2200A-X			
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. Endocrine disrupting properties	(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.
12.7. Other adverse effects	Not available.

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	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	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.
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

SECTION 15: Regulatory information

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

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
Entry 78, derogation 5(a) (CAS N/A)
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, 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.

Other information

This Safety Data Sheet complies with the requirements of Regulation (EU) 2020/878. Classification according to Regulation (EC) No 1272/2008 as amended.

National regulations

Not available.

15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

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).
This Safety Data Sheet is in compliance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending REACH Annex II.
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Information on evaluation method leading to the classification of mixture

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

None.

Revision information**Training information****Disclaimer**

None.

Follow training instructions when handling this material.

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Explanation of abbreviations

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