



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	HP Color LaserJet W9042MC Yellow Print Cartridge
Registration number	-
Synonyms	None.
Issue date	06-Apr-2017
Version number	02
Revision date	04-Aug-2018
Supersedes date	06-Apr-2017

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	This product is a yellow toner preparation that is used in HP Color LaserJet Managed MFP E77822, HP Color LaserJet Managed MFP E77825, HP Color LaserJet Managed MFP E77830 series printers.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Telephone	HPCP - Computing and Printing Portugal, Unipessoal, Lda. Quinta da Fonte, Pt. Ground Floor Paco de Arcos, Portugal 2774-528 +351 21 482 85
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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: hpcustomer.inquiries@hp.com

1.4 Emergency telephone number 112

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 according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

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

Contains:	Carbon black, Ceramic materials, Coating materials, Paraffin wax, Silica, Styrene-acrylic resin, Yellow Pigment
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

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. 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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Styrene-acrylic resin	<74	Trade Secret	-	-	
Classification:	-	-	-	-	
Ceramic materials	<19	66402-68-4	-	-	
Classification:	-	-	-	-	
Paraffin wax	<8	Trade Secret	-	-	
Classification:	-	-	-	-	
Yellow Pigment	<5	Trade Secret	-	-	
Classification:	-	-	-	-	
Silica	<2	Trade Secret 272-697-1	-	-	
Classification:	-	-	-	-	
Carbon black	<1	1333-86-4 215-609-9	01-2119384822-32-XXXX	-	
Classification:	-	-	-	-	
Coating materials	<1	Trade Secret	-	-	
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. DO NOT induce vomiting. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed Difficulty in breathing. Coughing.

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 ABC powder, foam and water. Alcohol resistant foam.

Unsuitable extinguishing media	Do not use water jet.
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	Wear self-contained breathing apparatus and protective clothing. Wear full set of protective equipment including chemical goggles and gloves.
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 inhalation of dust. Wash thoroughly after dealing with a spillage. See Section 8 of the SDS for Personal Protective Equipment. Ensure adequate ventilation. Remove victim immediately from source of exposure. Emergency personnel should wear self-contained breathing apparatus.
For emergency responders	Not available.
6.2. Environmental precautions	Avoid spreading dust or contaminated materials. Avoid discharge into drains, water courses or onto the ground.
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. Dispose of in compliance with federal, state, and local regulations.
6.4. Reference to other sections	See Section 8 of the SDS for Personal Protective Equipment. See also section 13 Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Use local exhaust ventilation. Take precautionary measures against static discharges. Use only in well-ventilated areas. Ground and bond containers when transferring material. Avoid inhalation of dust and contact with skin and eyes. Keep away from excessive heat, sparks, and open flames.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Wash hands after handling. When using, do not eat, drink or smoke. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Keep tightly closed and dry. Store at room temperature.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3.5 mg/m ³	Fume.
Paraffin Wax	TWA	2 mg/m ³	Fume.

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

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs)

Components	Type	Route	Value	Form
Carbon black (CAS 1333-86-4)	Consumers	Inhalation	1.75 mg/m ³	Local long term
		Inhalation	0.06 mg/m ³	Systemic long term
	Workers	Inhalation	2 mg/m ³	Local long term
		Inhalation	1 mg/m ³	Systemic long term

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Carbon black (CAS 1333-86-4)	Not applicable	Freshwater	5 mg/l	
		Marine water	5 mg/l	

8.2. Exposure controls

Appropriate engineering controls Use in a well ventilated area.

Individual protection measures, such as personal protective equipment

General information No personal respiratory protective equipment required under normal conditions of use.

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Rubber gloves are recommended. Wash hands after handling.
- Other	Protection suit must be worn.
Respiratory protection	No personal respiratory protective equipment required under normal conditions of use.
Thermal hazards	Not available.
Hygiene measures	Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.
Environmental exposure controls	Do not allow the spilled product to enter public drainage system or open water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Fine powder
Physical state	Solid.
Form	solid
Color	Yellow
Odor	Odorless
Odor threshold	No information available
pH	Not applicable
Melting point/freezing point	No information available
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable
Vapor density	Not applicable
Solubility(ies)	
Solubility (water)	Insoluble in water. Partially soluble in toluene, chloroform and tetrahydrofurane
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	No data available
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Explosive properties	Not available.
Oxidizing properties	No information available.
9.2. Other information	Not available.
Percent volatile	0 % estimated
Specific gravity	1.2 g/ml

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	Not available.
10.4. Conditions to avoid	Risk of dust explosion. Shocks and physical damage.
10.5. Incompatible materials	No information available.
10.6. Hazardous decomposition products	Not known.

SECTION 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact Contact with skin may result in mild irritation.
Eye contact Contact with eyes may result in mild irritation.
Ingestion Ingestion is not a likely route of exposure.

Symptoms Not available.

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met. LD50/oral/rat >5000 mg/kg

Components	Species	Test Results
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Carbon black (CAS 1333-86-4)

Acute

Oral

LD50	Rat	> 10000 mg/kg
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Ceramic materials (CAS 66402-68-4)

Acute

Dermal

LD50	Rabbit	> 2500 mg/kg
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Inhalation

LC50	Rat	> 2.3 mg/l, 4 Hours > 0.888 mg/l
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Oral

LD50	Rat	> 2000 mg/kg
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Skin corrosion/irritation Based on available data, the classification criteria are not met. Not a known irritant. (OECD 404)

Serious eye damage/eye irritation Based on available data, the classification criteria are not met. Not a known irritant. (OECD 405)

Respiratory sensitization Based on available data, the classification criteria are not met.

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*)
Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
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Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Mixture versus substance information Not available.

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.

In a study in rats (H.Muhle) by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the concentration(16mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4mg/m³) exposure group. But no pulmonary changes was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.

SECTION 12: Ecological information

12.1. Toxicity Not available.

Components		Species	Test Results
Ceramic materials (CAS 66402-68-4)			
Aquatic			
<i>Acute</i>			
Algae	ErC50	Algae	184.6 mg/l, 72 h
Crustacea	EC50	Invertebrates (Invertebrates)	1.9 mg/l, 48 h
Fish	LC50	Fish	457 mg/l, 96 h
<i>Chronic</i>			
Fish	EC50	Fish	0.151 mg/l, 7 d
	LC50	Fish	1.94 mg/l, 16 d
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	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	Dispose of in compliance with federal, state, and local regulations. Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Do not put toner container into fire; heated toner may cause severe burns. Do not incinerate. Do not allow this material to drain into sewers/water supplies. 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

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

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

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I 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
Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.

Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization
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.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
Not regulated.

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) 2015/830. 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 (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

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 H-statements not written out in full under Sections 2 to 15

None.

Revision information

SECTION 5: Firefighting measures: 5.2. Special hazards arising from the substance or mixture
SECTION 6: Accidental release measures: 6.3. Methods and material for containment and cleaning up

SECTION 11: Toxicological information: Other information

SECTION 11: Toxicological information: Eye contact

SECTION 11: Toxicological information: Ingestion

SECTION 11: Toxicological information: Inhalation

SECTION 11: Toxicological information: Skin contact

SECTION 15: Regulatory information: Other regulations

SECTION 16: Other information: Disclaimer

SECTION 16: Other information: Information on evaluation method leading to the classification of mixture

SECTION 16: Other information: References

SECTION 16: Other information: Training information

Training information

Follow training instructions when handling this material.

Disclaimer

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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