

# **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 LaserJet CE255A-X-XC-XD Print Cartridge
Registration number	N/A
Synonyms	None.
Issue date	09-May-2013
Version number	02
Revision date	26-Jun-2013
Supersedes date	09-May-2013
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 P3015/ HP LaserJet Enterprise 50( MFP M525/ HP LaserJet Pro MFP M521 series printers.
Uses advised against	None known.
Company identification	Hewlett-Packard Ges.m.b.H. Euro Plaza Business Park Wienerbergstraße 41 1120 Wien Austria Telephone +43 (1) 81118-0000
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Centre +43 (1) 406 43 43

### SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

#### **Hazard summary**

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified as a health hazard.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Not available.
Main symptoms	Not available.

## 2.2. Label elements

#### Label according to Directive 67/548/EEC or 1999/45/EC as amended

Contains:	Amorphous silica, Iron oxide, Polyester resin
R-phrase(s)	Not available.
S-phrase(s)	Not available.
Authorization number	Not available.
Supplemental label information	Not applicable.
2.3. Other hazards	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. 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. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

## SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Chemical name		%	CAS-No. / EC No. F	REACH Registration No.	Index No.	Note
Polyester resin		<55	Trade Secret	-	-	
Classification:	DSD: -		-			
	CLP: -					
Iron oxide		<50	1317-61-9 215-277-5	-	-	
<b>Classification:</b>	DSD: -					
	CLP: -					
Amorphous silica		<2	7631-86-9 231-545-4	-	-	
Classification:	DSD: -					
	CLP: -					

### SECTION 4: First aid measures

General information	Not available.
4.1. Description of first aid me	asures
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	No notes to physicians.

## 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	Not available.
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.

### SECTION 6: Accidental release measures

6.1. Personal precautions, prot	tective equipment and emergency procedures
For non-emergency personnel	Minimize dust generation and accumulation.
For emergency responders	Not available.
6.2. Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
6.3. Methods and material for containment and cleaning up	Not available.
6.4. Reference to other sections	Not available.

## SECTION 7: Handling and storage

7.1. 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.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Store at room temperature. Keep tightly closed and dry. 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**

Components	Туре	Value	Form
Amorphous silica (CAS 7631-86-9)	МАК	4 mg/m3	Inhalable fraction
Biological limit values	No biological exposure limits noted for	or the ingredient(s).	
Recommended monitoring procedures	Not available.		
Derived no-effect level (DNEL)	Not available.		
Predicted no effect concentrations (PNECs)	Not available.		
8.2. Exposure controls			
Appropriate engineering controls	Use in a well ventilated area.		
Individual protection measur	es, such as personal protective equi	ipment	
General information	No personal respiratory protective eq	uipment required under norm	al conditions of use.
Eye/face protection	Not available.		
Skin protection			
- Hand protection	Not available.		
- Other	Not available.		
<b>Respiratory protection</b>	Not available.		
Thermal hazards	Not available.		
Hygiene measures	Not available.		

#### 9.1. Information on basic physical and chemical properties

Appearance	Fine powder
Physical state	Solid.
Form	solid
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable

Turtial point and boiling point and boiling pange       Not applicable         Flash point       Not applicable.         Flammability foold, gas)       Not applicable.         Upper/lower flammability or vulsable.       Not applicable.         Immability finit - lower (%)       Not applicable.         Flammability finit - lower (%)       Not available.         Flammability finit - lower (%)       Not available.         Vapor pressure       Not available.         Solubility(init - (or ot and /wailable.       Not available.         (%)       Not available.         Partition coefficient       Not available.         Over ot available.       Not available.         Partition coefficient (or ot available.       Not available.         Partition coefficient (or ot available.       Not available.         Partition coefficient (or ot available.       Not available.         Posconstrum (or ot available.       Source (Not available.         Posconstrum (or ot available.       Not available.         Posconstrum (or ot available.       Not available.         Posconstrum (or available.       Not available.         Posconstrum (or ot available.       Not available.         Posconstrum (or available.       Not available.         Sothorinformation       Soure (Not avai			
boiling range Flash point Not applicable Evaporation rate Not applicable. Flammability (solid, ga) Not applicable. Upper/lower flammability or explosive limits Flammability limit - lower Not flammable (%) Flammability limit - Not available. upper (%) Vapor pressure Not applicable Relative density Not available. Solubility(ies) Not available. Relative density Not available. Solubility(ies) Not available. Relative density Not available. Solubility(ies) Not available. Becomposition temperature No data available Decomposition temperature No data available. Decomposition temperature Not available. Partition coefficient Not available. Decomposition temperature No data available. Decomposition temperature No data available. Decomposition temperature Not available. Parcent volatile 0 % estimated Softening point 212 - 302 °F (100 - 150 °C) Specific gravity 1.4 - 1.8 SECTION 10: Stability and reactivity 10.1. Reactivity Not available. 10.2. Chemical stability Stable under normal storage conditions. 10.3. Possibility of hazardous ESCTION 11: Toxicological information SECTION Not available. Eye ontact Not available. Storage oxidiable. Stin contact Not available. Stin contact No	Melting point/freezing point	Not available.	
Evaporation rate         Not applicable.           Flammability (solid, gas)         Not applicable.           Flammability limit - lower         Not flammabile           flammability limit - lower         Not available.           upper (%)         Not available.           Store pressure         Not available.           Relative density         Not available.           Solubility(iss)         Not available.           Solubility(iss)         Not available.           Partition coefficient         Not available.           Auto-junition temperature         > 392 °F (>= 200 °C)           Viscosity         Not available.           Decomposition temperature         > 392 °F (>= 200 °C)           Viscosity         Not available.           Oxidizing properties         Not information available.           Splosity         Not available.           Oxidizing properties         Not information available.           Solubility of nazerous         Not available.           Solutizy         Not available.           Solution formation         Not available.           Solutizy in proverties         Not available.           Solutizy in proverties         Solution = normal storage conditions.           Solutizy of hazerous         Carbon monoxide	Initial boiling point and boiling range	Not applicable	
Flammability (solid, gas)     Not applicable.       Upper / lower flammability and t- lower / Not flammable     Not available.       Flammability limit - lower / Not available.     Not available.       upper (%)     Not available.       Vapor pressure     Not available.       Solubility(les)     Not available.       Solubility(les)     Not available.       Partition coefficient     Not available.       Or-octanol / Water)     Not available.       Auto-ignition temperature     > 392 °F (> 200 °C)       Viscosity     Not available.       Discosity     Not available.       Solubility properties     Not available.       Oxidizing properties     Not available.       Solubility properties     Not available.       Soluting ro	Flash point	Not applicable	
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reactions       Imaging Drum: Exposure to light         10.4. Conditions to avoid       Imaging Drum: Exposure to light         10.5. Incompatible materials       Strong oxidizers         10.6. Hazardous       Carbon monoxide and carbon dioxide.         decomposition products       Carbon monoxide and carbon dioxide.         SECTION 11: Toxicological information       Not available.         Information on likely routes of exposure       Information on likely routes of exposure         Ingestion       Not available.         Inhalation       Not available.         Skin contact       Not available.         Eye contact       Not available.         Symptoms       Not available.         11.1. Information on toxicological effects       Test Results         Amorphous silica (CAS 7631-86-9)       Acute	10.2. Chemical stability	Stable under normal storage conditions.	
10.5. Incompatible materials decomposition products       Strong oxidizers         10.6. Hazardous decomposition products       Carbon monoxide and carbon dioxide.         SECTION 11: Toxicological information       Not available.         Information on likely routes of exposure       Ingestion         Ingestion       Not available.         Inhalation       Not available.         Skin contact       Not available.         Eye contact       Not available.         Symptoms       Not available.         11.1. Information on toxicological effects       Test Results         Components       Species         Acute       Instantase	10.3. Possibility of hazardous reactions	Will not occur.	
10.6. Hazardous decomposition products       Carbon monoxide and carbon dioxide.         SECTION 11: Toxicological information       Not available.         General information       Not available.         Information on likely routes of exposure       Information         Ingestion       Not available.         Inhalation       Not available.         Skin contact       Not available.         Eye contact       Not available.         Symptoms       Not available.         11.1. Information on toxicological effects       Test Results         Components       Species         Amorphous silica (CAS 7631-86-9)       Acute	10.4. Conditions to avoid	Imaging Drum: Exposure to light	
decomposition products         SECTION 11: Toxicological information         General information       Not available.         Information on likely routes of exposure         Ingestion       Not available.         Inhalation       Not available.         Skin contact       Not available.         Eye contact       Not available.         Symptoms       Not available.         11.1. Information on toxicological effects         Components       Species         Amorphous silica (CAS 7631-86-9)         Acute	10.5. Incompatible materials	Strong oxidizers	
General informationNot available.Information on likely routes of exposureIngestionNot available.IngestionNot available.Skin contactNot available.Eye contactNot available.SymptomsNot available.11.1. Information on toxicological effectsComponentsSpeciesAmorphous silica (CAS 7631-86-9) Acute	10.6. Hazardous decomposition products	Carbon monoxide and carbon dioxide.	
Information on likely routes of EyesureIngestionNot available.InhalationNot available.Skin contactNot available.Eye contactNot available.SymptomsNot available.11.1. Information on toxicologite effectsTest ResultsComponentsSpeciesTest ResultsAcuteIntervalue of CAS 7631-86-9	SECTION 11: Toxicological in	formation	
IngestionNot available.InhalationNot available.Skin contactNot available.Eye contactNot available.SymptomsNot available.11.1. Information on toxicologit effectsTest ResultsComponentsSpeciesTest ResultsAcuteKente	General information	Not available.	
InhalationNot available.Skin contactNot available.Eye contactNot available.SymptomsNot available.11.1. Information on toxicological effectsTest ResultsComponentsSpeciesTest ResultsAcuteKontana state s	Information on likely routes of	exposure	
Skin contactNot available.Eye contactNot available.SymptomsNot available.11.1. Information on toxicological effectsTest ResultsComponentsSpeciesTest ResultsAcuteKenter	Ingestion	Not available.	
Eye contactNot available.SymptomsNot available.11.1. Information on toxicological effectsComponentsSpeciesAcuteTest Results	Inhalation	Not available.	
Symptoms     Not available.       11.1. Information on toxicological effects     Test Results       Components     Species     Test Results       Amorphous silica (CAS 7631-86-9)     Acute	Skin contact	Not available.	
11.1. Information on toxicological effects         Components       Species         Amorphous silica (CAS 7631-86-9)         Acute	Eye contact	Not available.	
Components     Species     Test Results       Amorphous silica (CAS 7631-86-9)     Acute     Acute	Symptoms	Not available.	
Amorphous silica (CAS 7631-86-9) Acute	11.1. Information on toxicolog	cal effects	
Acute	Components	Species Test Results	
	Amorphous silica (CAS 7631-86-9)		
	Acute		
Ural	Oral		
LD50 Mouse > 15000 mg/kg	LD50	Mouse > 15000 mg/kg	
Rat > 22500 mg/kg		Rat > 22500 mg/kg	
Skin corrosion/irritation Not available.	Skin corrosion/irritation	Not available.	
	Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU	
Respiratory sensitization Not available.	Respiratory sensitization		

Skin sensitization	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
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.

## SECTION 12: Ecological information

12.1. Toxicity	LL50: > 1000 mg/l, Fish, 96.00 Hours		
Product		Species	Test Results
CE255A-X-XC-XD			
Fish	LL50	Fish	> 1000 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	Not available		
SECTION 13: Disposal considerations			

13.1. Waste treatment meth	ods
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

Not regulated as dangerous goods.

#### RID

Not regulated as dangerous goods.

#### ΙΑΤΑ

<b>A</b>	
14.1. UN number	UN2807
14.2. UN proper shipping	Magnetized Material
name	
14.3. Transport hazard	Not available.
class(es)	

Subsidiary class(es)-14.4. Packing groupNot available.14.5. EnvironmentalNot available.hazardsNot available.Labels requiredNot available.ERG codeNot available.14.6. Special precautionsNot available.for userNot available.

#### IMDG

Not regulated as dangerous goods.

#### 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 (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed. Regulation (EC) No. 689/2008 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. Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding Not regulated. **Other EU regulations** Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances Not regulated. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Not regulated. Directive 94/33/EC on the protection of young people at work Not regulated.

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.
National regulations	Not available.
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.
15.2. Chemical Safety Seessment	Not available.

CECTION 1C	
SECTION 16:	Other information

SECTION 10: Other information	
References	Not available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	None.
Revision information	SECTION 1: Identification of the substance/mixture and of the company/undertaking: Product use SECTION 2: Hazards identification: 2.3. Other hazards 9. Physical & Chemical Properties: Multiple Properties
Training information	Not available.
Disclaimer	This [Material] Safety Data Sheet 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 (M)SDS 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.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

#### **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