

## Product environmental attributes - THE ECO DECLARATION

The declaration may be published only when all rows and/or fields marked with an \* are filled-in (n.a. for not applicable).

Additional information regarding each item may be found under P14.

Brand *	Lexmark	Logo
Company name *	Lexmark International, Inc.	тм
Contact information *	Nadia Martin (USA)	Lexmark
Internet site *	www.lexmark.se / www.lexmark.com	
Additional information		

	pased on product specification or test results based obtained from sample testing), that the product ts given in this declaration.
Type of product *	Single Function Color Laser Printer
Commercial name *	Lexmark CS310dn, Lexmark CS310n, Lexmark CS317dn
Model number *	CS310dn, CS310n, CS317dn
Issue date *	Rev. February 26, 2014 (Update March 1, 2017)
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

Quality	Control	Requireme	nt met
Item		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	$\boxtimes$	
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality contro such as organized by IT-Företagen (see www.itecodeclaration.org).	I 🔀	

Model number *	CS310dn, CS310n, CS317dn		
Issue date *	Rev. February 26, 2014 (Update March 1, 2017)	Logo	Lexmark

<b>Product</b>	environmental attributes - Legal requirements	Require	ment	met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent	$\boxtimes$		
	chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See	_	_	
	legal reference and Note B1)			
P1.2*	Products do not contain Asbestos (see legal reference).	$\boxtimes$		
	Comment: Legal reference has no maximum concentration value.			
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	$\boxtimes$		
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-			
	trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum			
P1.4*	concentration values.  Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated		$\overline{}$	
F1.4	terphenyl (PCT) in preparations (see legal reference).	$\boxtimes$	Ш	
P1.5*	Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in		$\overline{}$	
1 1.5	the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	$\bowtie$	ш	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS),			$\boxtimes$
1 1.0	Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference).	Ш	ш	
	Comment: Legal reference has no maximum concentration values.			
P1.7*	Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split		$\Box$	$\boxtimes$
	aromatic amines. (See legal reference and Note B1)		ш	
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as			$\boxtimes$
	pentachlorophenol and derivatives (see legal reference).			
	Comment: Legal reference has no maximum concentration values.			
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5			
	microgram/cm <sup>2</sup> /week (see legal reference).			
	Comment: Max limit in legal reference when tested according to EN1811:1998.			
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	$\boxtimes$		
	REACH Program Manager, HOD9237, 740 W. New Circle Rd., Lexington, KY 40550			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains	$\boxtimes$		
	more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be			
	marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is			
P2.2*	provided in user manual. (See legal reference)		$\overline{}$	
P2.2	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)	$\boxtimes$	Ш	
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the	· 🔀	$\overline{}$	$\overline{}$
1 2.0	design of the product). Exception: Batteries that are permanently installed for safety, performance, medical		ш	Ш
	or data integrity reasons do not have to be "easily removable". (See legal reference)			
P3	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	$\square$	$\overline{\Box}$	$\Box$
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal	X	∺	∺
1 0.2	reference).		ш	Ш
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies	; X		
	with legally required standards for radio and telecommunication devices (see legal reference).		ш	ш
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	$\boxtimes$		
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see			
	legal reference and Note B1).		ш	ш
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).	$\boxtimes$		$\neg \neg$
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the		∺	$\dashv$
1 4.5	product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these		ш	
	requirements is available (see legal reference).			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium an	d 🔀		
-	hexavalent chromium by weight of these together.			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	X		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montrea		Ħ	$\dashv$
. 0.0	Protocol (see legal reference).	. 🔼	ш	
	Comment: Legal reference has no maximum concentration values.			

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

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*mandatory to fill in. Additional information regarding each item may be found under P14.    *yes No n.a.  *Teatment information P6.11 Information for recyclers/treatment facilities is available (see legal reference).
P6.1* Information for recyclers/treatment facilities is available (see legal reference).    P7
Design   Disassembly, recycling   Disassembly, recycling   P7.1°   Parts that have to be treated separately are easily separable
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P7.2* Plastic materials in covers/housing have no surface coating.  P7.3* Plastic parts >100g consist of one material or of easily separable materials.  P7.4* Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.  P7.5* Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.  P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels).  P7.6* Upgrading can be done e.g. with processor, memory, cards or drives  P7.7* Upgrading can be done using commonly available tools  P7.8* Upgrading can be done using commonly available tools  P7.9. Spare parts are available after end of production for: 5 years  Material and substance requirements  P7.10* Service is available after end of production for: 5 years  Material and substance requirements  P7.11* Product cover/housing material type:  Material type: ABS  Material type: PC/ABS  P7.12 Electrical cable insulation materials of power cables are PVC free.  P7.13 Electrical cable insulation materials of signal cables are PVC free  P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine.  P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2)  P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4:  Marking:  P7.17 Alt. 1  Chemical specifications of flame retardants in printed circuit boards >25g (without components):  TBBPA (additive) TBBPA (reactive) , Other; chemical name: , CAS #:  Alt. 2  Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: FR(16)  P7.18 Alt. 1  Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.196:  Comment: No legal limits exist, this is a market requirement.
P7.3* Plastic parts >100g consist of one material or of easily separable materials.  P7.4* Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.  P7.5 Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.  P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels).  P7.6* Upgrading can be done e.g. with processor, memory, cards or drives  P7.8* Upgrading can be done using commonly available tools  P7.9. Spare parts are available after end of production for: 5 years  P7.10 Service is available after end of production for: 5 years  Material and substance requirements  P7.11* Product cover/housing material type:  Material type: Material type: PC/ABS  P7.12 Electrical cable insulation materials of power cables are PVC free.  P7.13 Electrical cable insulation materials of signal cables are PVC free.  P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine.  P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2)  P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4:  Note B2)  P7.17 Alt. 1  Chemical specifications of flame retardants in printed circuit boards >25g (without components):  TBBPA (additive) TBBPA (reactive) Other; chemical name:  CAS #:  Alt. 2  Chemical specifications of flame retardants in printed circuit boards (without components):  TBBPA (additive) TBBPA (reactive) Other; chemical name:  CAS #:  Alt. 1  Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%:  Comment: No legal limits exist, this is a market requirement.
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1. Chemical name: , CAS #:
·
2. Chemical name: , CAS #:
3. Chemical name: , CAS #: Alt. 2
Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:
FR(40), FR(17), FR(16), FR(50)
P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)
P7.20 Of total plastic parts' weight >25g, recycled material content is <i>up to 11</i> %.
P7.21 Of total plastic parts' weight >25g, biobased material content is %.
P7.22 Light sources are free from mercury
If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg  P8 Batteries mg
P8.1* Battery chemical composition: <i>Lithium Manganese Dioxide</i> , <i>LiMnO2</i>
P8.2 Batteries meet the requirements of the following voluntary program/s:

Note B2: IEC61249-2--21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

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Issue date *	Rev. February 26, 2014 (March 1, 2017)	Logo	Lexmark

Product	environmental at	tributes - Market re	equirements (cor	ntinued)		R	equir	ement	met
Item							Yes	No	n.a.
P9	Energy consumpt								
9.1	For the product the	following power levels	or energy consum	ptions are repor	ted:				
Energy mo	ode *	Power level at 100 V AC	Power level at 115 V AC	Power level 230 V AC	l at	Reference / Standard modes and test method *	for	energy	
Printing		<b>450</b> W	<b>437</b> W	<b>430</b> W		Corporate Standard			
Ready Mo	ode	<b>24.0</b> W	23.5 W	<b>24.3</b> W		Energy Star I E V2.0			
Sleep Mod	de	<b>2.4</b> W	2.4 W	<b>2.4</b> W		Energy Star I E V2.0			
Hibernate	Mode	0.36 W	0.37 W	0.39 W		IEC 62301			
Off Mode		0.0 W	0.0 W	0.0 W		IEC 62301			
		W	W	W					
EPS No-lo	ad	W	W	W					$\boxtimes$
charger plu outlet but of the produc	power supply / ugged in the wall disconnected from st.)								
PTEC * Typical En	ergy Consumption	W	W	W					$\boxtimes$
TEC * Typical En	ergy Consumption	1.8 kWh/week	1.7 kWh/week	1.8 kWh/week	Ī	Energy Star I E V2.0			
ETEC * Annual En	ergy Consumption	kWh/year	kWh/year	kWh/ye	ear				
Display res	solution* : Me	egapixels		1					
Print Spee	ed * : <b>25</b> Image	es per minute				ISO 24734 (US Letter)			
Default tim	ne to enter energy sa	ve mode: 30 minutes				Energy Star I E V2.0			
P9.2*	Information about t	he energy save function	on is provided with t	he product.		I	$\boxtimes$		
P9.3*	The product meets	the energy requirement	nts of the following	voluntary progra	m/s:				
	ENERGY STAR® Others specify: RA	version: <b>2.0</b> Tier: Prod L-UZ 171	luct category: Imag	ing Equipment					
P10	Emissions								
		Declared according to	ISO 9296						
P10.1	Mode	Mode description		Declared A-weighted sound power		Declared A-weighter sound pressure level $L_{p{ m A}}$		3)	
				level $L_{WAd}$ (B)	Ope	rator position Bystar	ider po	sitions	
				-WAG (-)		Desktop			
						or Desk side (only if popera		ended)	
	Idle *	Ready		* 3.2		16		,	
	Operation *	<b>Duplex Mono Printin</b>	g, Normal Mode	* 6.4		50			
	Other mode	<b>Duplex Mono Printin</b>	g, Quiet Mode	6.2		47			]
	Measured according	·	ECMA-74	Lby ECMA 74 ···	th I	massurament distance	<b>~</b>	٠	
P10.2	The product meets					m measurement distance ram/s: RAL-UZ-122/RAL-	m	<u>')</u>	$\vdash$
1	117 171	40040110 110100 100	15 511151115 01 1110 10		p. ogi	and the second		ш	ш

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Product	environmental attributes - Market requirements (continued)	equire	ment	met
Item		Yes	No	n.a.
	Chemical emissions from printing products			
P10.3*	Test performed according to ECMA-328 (ISO/IEC 28360) standard, other specify: RAL-UZ 122/RAL-UZ 171			
P10.4	Typical emission rate (print phase) is (mg/h):  Dust <1.2 Ozone <0.06 Styrene 0.45 Benzene <0.05 TVOC 13			
P10.5	Chemical emission requirements of the following voluntary program/s RAL-UZ 122/RAL-UZ 171 are met for:  Dust Ozone Styrene Benzene TVOC			
	Electromagnetic emissions			
P10.6	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s:			
P11	Consumable materials for printing products			
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	$\boxtimes$		
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.	$\boxtimes$		
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	$\boxtimes$		
P12	Ergonomics for computing products			
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.		$\overline{\Box}$	$\square$
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.			
P13	Packaging and documentation			
P13.1*	Product packaging material type(s): Corrugated weight (kg): 2.542 Product packaging material type(s): Polystyrene, expanded Product packaging material type(s): High Density Polyethylene Low Density Polyethylene, expanded – 0.204 kg  weight (kg): 0.204 weight (kg): 0.277			
P13.2*	Product plastic packaging is free from PVC.	$\boxtimes$		
P13.3*	Specify media for user and product documentation (tick box):  Electronic , Paper , Other			
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: 0%			
Rev. P13.5	User and product documentation do not contain chlorine bleached paper			
P14	Additional information (See Note B4)			
P1.1	This product uses RoHS exemptions for lead used in small amounts for specific applications.			
P2.1	The battery contained within this product should be disposed of properly with the product. The product is properly lab disposal symbol and instructions for such disposal is listed in the product User's Guide.	eled witi	h the W	/EEE
P2.3	The battery contained within this product meets the exception listed. The battery is not intended to be removed by the however, is designed for easy removal by recyclers and service providers.	e custon	ner;	
P7.14	A small amount of bromine may be present in covers due to sourcing post consumer recycled content. No bromine was in the processing of these parts.	s intentio	onally d	added
P7.20	Per IEEE 1680.2 PCR calculation.			
P9.1	Information provided in P9.1 is for products with firmware FW LW30.VYL.P300 or higher. Print speed listed is Letter; A The following table provides energy data for products with lower levels of firmware:	4 speed i	's 23 pp	m.

Note B4: Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

	P9 Energy consumpti				i i			
		following power levels Power level at		Power level at	Reference / Standard for energy			
	Energy mode *	100 V AC	115 V AC	230 V AC	modes and test method *			
	Printing	450 W	437 W	430 W	Corporate Standard			
	Ready Mode	25.3 W	23.3 W	25.0 W	Energy Star I E V1.2	$\overline{\Box}$		
	Sleep Mode	4.2 W	4.2 W	4.2 W	Energy Star I E V1.2	$\overline{\Box}$		
	Hibernate Mode	0.36 W	0.37 W	0.39 W	IEC 62301			
	Off Mode	0.0 W	0.0 W	0.0 W	IEC 62301			
		W	W	W				
	EPS No-load (External power supply /	W	W	W		$\boxtimes$		
	charger plugged in the wall outlet but disconnected from the product.)							
	PTEC * Typical Energy Consumption	W	W	W				
	TEC * Typical Energy Consumption	2.0 kWh/week	2.0 kWh/week	2.0 kWh/week	Energy Star I E V1.2			
	ETEC * Annual Energy Consumption	kWh/year	kWh/year	kWh/year				
	Display resolution* : Me	gapixels				$\boxtimes$		
	Print Speed * : 25 Image	s per minute			Corporate Standard	Ħ		
	Default time to enter energy say	ve mode: 30 minutes			Energy Star I E V1.2	Ħ		
	P9.2* Information about the	ne energy save functio	n is provided with th	e product.		Ħ		
		the energy requirement version: 1.2 Tier: 1 Pro L UZ 122						
0.1	Duplex data does not a	pply to the CS31	0n model.					
0.4	Note: The data reported	d in P10.4 is for	the color print	test.				
	Mono print test results:	Ozone – <0.06	mg/h; Styrene	- 0.21 mg/h; Be	enzene – <0.05 mg/h; Dust –<1	.2 mg/h ;	and TVOC – 5.2	mg/
3	Duplex is not an integra	nted product fun	ction of the CS	3310n model.				
		ply item recycli	ng informatio	n for your area	may be found at http://lexm may be found at http://lexma			

## Legal references Europe Annex B

Reference	Declaration item
2002/95/EC (ROHS Directive)	P1.1, P4.1
REACH, Annex XVII	P1.6, P1.8, P4.2
REACH, Annex XVII	P1.4
REACH, Annex XVII	P1.2
REACH, Annex XVII	P1.7
REACH, Annex XVII	P1.9
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000	P1.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
2006/66/EC (Battery and accumulators Directive)	P2.1, P2.2, P2,3, P3.4, P8.1
2006/95/EC (Low Voltage Directive)	P3.1, 3.4
2004/108/EEC (New EMC Directive)	P3.2, 3.4
1999/5/EC (R&TTE Directive)	P3.3, 3.4
"REACH" Regulation (1907/2006), annex VII	P1.10
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P4.3
REACH article 31, annex II	P4.3
2004/12/EC (Directive on packaging and packaging waste)	P5.1
(97/129/EC) (Commission Decision on Identification System for Packaging Materials	P5.2
2037/2000/EC Regulation on Substances that Deplete the Ozone Layer	P5.3
2002/96/EC (WEEE directive)	P3.4, P6.1
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P7.19