

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.	I DAZNA A DIZ
Contact information *	Nadia Martin (USA)	LEXM ARK _™
Internet site *	www.lexmark.se / www.lexmark.com	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.							
Type of product *	Type of product * Single Function Mono Laser Printer						
Commercial name *	Lexmark MS812de, Lexmark M5170						
Model number *	MS812de, M5170						
Issue date *	Rev. February 25, 2014						
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		
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).	l 🛛	

Model number *	MS812de, M5170		
Issue date *	Rev. February 25, 2014	Logo	LEXMARK

Product	environmental attributes - Legal requirements	Requirement 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		_	
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	\square	$\overline{}$	
1 1.5	the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).		ш	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS),			X
	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			\boxtimes
	aromatic amines. (See legal reference and Note B1)			
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	\boxtimes		
	microgram/cm ² /week (see legal reference).			
P1.10*	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): REACH Program Manager, HOD9237, 740 W. New Circle Rd., Lexington, KY 40550	\boxtimes	Ш	
DO				
P2	Batteries		_	
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be	\boxtimes	Ш	Ш
	marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is			
	provided in user manual. (See legal reference)			
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or	\square		\Box
	accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)			
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the	• 🛛		
	design of the product). Exception: Batteries that are permanently installed for safety, performance, medical		_	_
	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).			
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal			
	reference).			
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies	; <u> </u>		
D0 4*	with legally required standards for radio and telecommunication devices (see legal reference).		_	
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	\boxtimes		
D4 Ot	legal reference and Note B1).		_	
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).	\boxtimes	_ <u></u> _	
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the	\boxtimes		
	product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these			
P5	requirements is available (see legal reference).			
P5.1*	Product packaging Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium an	d 🔽		
1.0.1	hexavalent chromium by weight of these together.	d 🔀	Ш	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\square		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montrea		∺	\dashv
. 0.0	Protocol (see legal reference).	🔼	ш	ш
	Comment: Legal reference has no maximum concentration values.			

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

Model nu	umber *	MS812de, M5170				
Issue da	te *	Rev. February 25, 2014	Logo	LEXM	۸RK	,
Product		mental attributes - Market requirements - Environmental conscious of	lesign	Require	nent	met
Item		atory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.
P6		nt information				
P6.1*		on for recyclers/treatment facilities is available (see legal reference).		\boxtimes		
P7	Design					
D7.4*		mbly, recycling				
P7.1*		at have to be treated separately are easily separable			<u> </u>	Ц_
P7.2*		naterials in covers/housing have no surface coating.		\boxtimes		
P7.3*		arts >100g consist of one material or of easily separable materials.		\boxtimes		
P7.4*	Plastic p	arts >25g have material codes according to ISO 11469 referring ISO 1043.		\boxtimes		
P7.5	Plastic p	arts are free from metal inlays or have inlays that can be removed with commonly a	vailable tools.	\boxtimes		
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).				
	Product	lifetime				
P7.7*	Upgradir	ng can be done e.g. with processor, memory, cards or drives		\boxtimes		
P7.8*	Upgradir	ng can be done using commonly available tools		\boxtimes		
P7.9.	Spare pa	arts are available after end of production for: 5 years				
P7.10	Service i	s available after end of production for: 5 years				
		and substance requirements				
P7.11*		cover/housing material type:				
	Material	type: ABS Material type: HIPS Materia	type: PC/ABS			
P7.12		I cable insulation materials of power cables are PVC free.			\boxtimes	
P7.13		I cable insulation materials of signal cables are PVC free			\boxtimes	
P7.14	All cover	/housing plastic parts >25g are free from chlorine and bromine.			\boxtimes	
P7.15	All printe Note B2	ed circuit boards (without components) >25g are halogen free. as defined in IEC6	1249-2-21. (See	е 🗌		
P7.16		tarded plastic parts >25g in covers / housings are marked according ISO 1043-4:		X		
P7.17	Alt. 1 Chemica TBBPA (al specifications of flame retardants in printed circuit boards >25g (without compone additive) , TBBPA (reactive) , Other; chemical name: , CAS #:	nts):			
	ISO 1043	Il specifications of flame retardants in printed circuit boards (without components) > 3-4: <i>FR</i> (16)	25g according			
P7.18	Alt. 1 Flame r	etarded plastic parts >25g contain the following flame retardant substances	/preparations in	n \square		П

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.

and max. mercury content per lamp:

mg

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.

concentrations above 0.1%:

FR(40), FR(17), FR(16), FR(50)

Light sources are free from mercury If mercury is used specify: Number of lamps:

1. Chemical name:

2. Chemical name:3. Chemical name:

Alt. 2

Batteries

P7.19

P7.20

P7.21

P7.22

P8

P8.1

P8.2

Comment: No legal limits exist, this is a market requirement.

Of total plastic parts' weight >25g, recycled material content is up to 17%.

Battery chemical composition: Lithium Manganese Dioxide, LiMnO2

Batteries meet the requirements of the following voluntary program/s:

Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:

R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)

Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45,

, CAS #:

, CAS #:

, CAS #:

Of total plastic parts' weight >25g, biobased material content is

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Product 6	environmental at	tributes - Market re	quirements (con	tinued)			Requi	remen	t met
Item							Ye	s No	n.a.
P9	Energy consumpt	ion							
9.1	For the product the	following power levels	or energy consump	otions are report	ted:				
Energy mod	de *	Power level at 100 V AC	Power level at 115 V AC	Power level 230 V AC	at	Reference / Standard modes and test method		energy	
Printing 811 W		812 W	762 W		Corporate Standard				
Ready 1 M	lode	53.8 W	49.8 W	40.9 W		Energy Star I E V2.0			
Ready 2 M	lode	29.1 W	28.3 W	26.0 W		Energy Star I E V2.0			
Sleep Mod	le	3.6 W	3.6 W	3.7 W		Energy Star I E V2.0			
Hibernate	Mode	0.52 W	0.54 W	0.55 W		IEC 62301			
Off Mode		0.1 W	0.1 W	0.1 W		IEC 62301			
charger plu outlet but d the product	ower supply / gged in the wall lisconnected from	W	W	W					
PTEC * Typical Ene	ergy Consumption	W	W	W					
TEC * Typical Ene	ergy Consumption	4.6 kWh/week	4.5 kWh/week	4.6 kWh/week		Energy Star I E V2.0			
ETEC * Annual Ene	ergy Consumption	kWh/year	kWh/year	kWh/ye	ar				
Display res	olution* : Me	egapixels	l						
Print Speed	d * : 70 Image	s per minute				ISO 24734 (US Letter)			
Default time	e to enter energy sa	ve mode: 30 minutes				Energy Star I E V2.0			
P9.2*	Information about t	he energy save functio	n is provided with th	ne product.			\times		
P9.3*		the energy requirement version: 2.0 Tier: Prod L-UZ 171			m/s:		×		
P10	Emissions								
D40.4		Declared according to	ISO 9296	Dealered	T	Dealers d A suctable	1		
P10.1	Mode	Mode description		Declared A-weighted sound power		Declared A-weight sound pressure level $L_{\it p}$		B)	
				level L_{WAd} (B)	Ope	rator position Bysta	ander p	ositions	1
								ct is no ttended	
	Idle *	Ready	1	* 4.7		32	iatoi a	tteriaca	ΪП
	Operation *	Simplex Monochrom Iormal Mode	e Printing,	* 7.3		58			
	Other mode	Simplex Monochrom Quiet Mode	e Printing,	6.8		53			
	Measured according	3 ** 📒 * * * * * * * *	ECMA-74 (only if not covered	bv ECMA-74 wit	th Lna.	m measurement distance	r	n)	
P10.2	The product meets					ram/s: RAL-UZ 122/RAL-	×		

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Product	environmental attributes - Market requirements (continued)	Require	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 <0.9 Ozone <0.06 Styrene <0.2 Benzene <0.03 TVOC 5.8			
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.			
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.			\boxtimes
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): 2.654 Product packaging material type(s): Polystyrene, expanded Product packaging material type(s): Low Density Polyethylene Polypropylene – 0.065 kg weight (kg): 0.081			
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 with	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 custom	er;	
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	nally d	added
P.7.20	Per IEEE 1680.2 PCR calculation.			
P9.1	Information provided in P9.1 is for products with firmware FW LW30.DN7.P311 or higher. Print speed listed is Letter; A The following table provides energy data for products with lower levels of firmware:	14 speed i	s 66 p _l	om.

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.

Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference / Standard for energy modes and test method *	
Printing	811 W	812 W	761 W	Corporate Standard	
Ready 1 Mode	53.3 W	54.5 W	59.1 W	Energy Star I E V1.2	
Ready 2 Mode	25.5 W	28.4 W	26.3 W	Energy Star I E V1.2	
Sleep Mode	5.6 W	5.6 W	5.6 W	Energy Star I E V1.2	
Hibernate Mode	0.52 W	0.54 W	0.55 W	IEC 62301	
Off Mode	0.1 W	0.1 W	0.1 W	IEC 62301	
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	W	W	W		
PTEC * Typical Energy Consumption	W	W	W		
TEC * Typical Energy Consumption	3.8 kWh/week	3.8 kWh/week	3.7 kWh/week	Energy Star I E V1.2	
ETEC * Annual Energy Consumption	kWh/year	kWh/year	kWh/year		
Display resolution* : Me	gapixels				
Print Speed * : 70 Images	s per minute			Corporate Standard	
Default time to enter energy say	ve mode: 30 minutes			Energy Star I E V1.2	
P9.2* Information about the	ne energy save functio	n is provided with th	e product.		
P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 1.2 Tier: 1 Product category: Imaging Equipment Others specify: RAL UZ 122					

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