

Ecma/TC38-TG3/2015/025 (Rev. 1 – 15 April 2015)

## Annex B1 - Product environmental attributes Imaging equipment

The declaration may be published only when all rows and/or fields marked with \* are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	Canon	Logo
Company name *	Canon Europe N.V	
Contact information *	environment@canon-europe.com	
e-mail address		
Internet site *	www.canon-europe.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 *	Printer					
Commercial name *	MAXIFY					
Model number *	MB5450					
Issue date *	2016/08/26					
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.

## About Annex B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template:

P9.1 PTEC, ETEC and display resolution P12.1-P12.2 Ergonomic requirements.

Model number *		MB5450 Logo				
Issue date *		2016/08/26				
Produc	t environ	mental attributes - Legal requirements	Require	ment	met	
Item			Yes	No	n.a.	
P1		bus substances and preparations				
P1.1*		s do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	$\square$			
P1.2*	Comme	s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.	$\square$			
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), pmofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- ethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum ration values.				
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated /l (PCT) in preparations (see legal reference).	$\square$			
P1.5*	Products chain co	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the ontaining at least 48% per mass of chlorine in the SCCP (see legal reference).				
P1.6*	(see leg	th direct and prolonged skin contact do not release nickel in concentrations above 0,5 $\mu$ g/cm <sup>2</sup> /week al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.				
P1.7*		Article 33 information about substances in articles is available at (add URL or mail contact): ww.canon-europe.com/about_us/sustainability/business/reach_customer_statement/	$\square$			
P2	Batterie					
P2.1*		If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)				
P2.2*	Batteries	teries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal rence)				
P2.3*		s and accumulators are readily removable. (See legal reference)	$\boxtimes$			
P3	Conforr	nity verification & Eco design (ErP)		<u> </u>		
P3.1*	The proo The Dec <u>http://wv</u>	duct is CE-marked to show conformance with applicable legal requirements (see legal reference). claration of Conformity can be requested at (add link or e-mail address): <u>vw.canon-europe.com/ce-documentation/</u>				
P3.2*	The prod (see leg	duct complies with the Eco design requirements for energy-related products, al reference).	$\square$			
	Required information is; given in item P15 or added to this document,		$\boxtimes$			
P4	Concur	available at (add URL): <u>http://www.canon-europe.com/printers/</u>				
P4.1*	If a phot	o conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0,01% (see erence and NOTE B1).				
P4.2*		f ink/toner is used in the product, it does not contain cadmium max 0,1% by weight (see legal reference).				
P4.3*	If the ink are Corr applicab	/toner formulation/preparation is classified as hazardous or contains a substance for which there mmunity workplace exposure limits, the product/packaging is adequately labeled according to ble regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available al reference).				
P5		t packaging				
P5.1*	Packagi	ng and packaging components do not contain more than 0,01% lead, mercury, cadmium and ent chromium by weight of these together.	1			
P5.2*	The pac	he packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) sed (see legal reference).				
P5.3*	The pro Protocol					
	Comme	nt: Legal reference has no maximum concentration values.				
P6		nt: Legal reference has no maximum concentration values.				

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model n	umber *	MB5450	Logo					
Issue date *		2016/08/26						
		mental attributes - Market requirements (See General NOTE GN below) mental conscious design		Require	ment	met		
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.		
P7	Design	while recycling						
P7.1*		nbly, recycling t have to be treated separately are easily separable						
P7.2*		aterials in covers/housing have no surface coating.			<u> </u>	<u> </u>		
P7.3*		arts > 100 g consist of one material or of easily separable materials.			<u> </u>	<u> </u>		
P7.3 P7.4*					<u> </u>	<u> </u>		
	-	arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	- 1 - 6 - 7 1		<u> </u>	<u> </u>		
P7.5	-	arts are free from metal inlays or have inlays that can be removed with commonly available of the second seco	allable tools		<u>Ц</u>	<u> </u>		
P7.6*		e easily separable. (This requirement does not apply to safety/regulatory labels).						
P7.7*	Product							
		g can be done e.g. with processor, memory, cards or drives			<u> </u>			
P7.8*		g can be done using commonly available tools						
P7.9.		rts are available after end of production for: years				<u> </u>		
P7.10		s available after end of production for: years						
		and substance requirements cover/housing material type (e.g. plastics, metal, aluminum):						
P7.11*			tvne:					
P7.12	Material type: Material type:   Insulation materials of external electrical cables are PVC free. Image: Comparison of the second							
P7.13	Insulation materials of internal electrical cables are PVC free.							
P7.14	weight (1 polyvinyl	plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bro 000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) ch g more than 25% post-consumer recycled content.	retardants,	and				
P7.15	Printed of	circuit boards, PCBs (without components) are low halogen: all 🗌 PCBs > 25	i g 🗌 are	low				
P7.16	halogen as defined in IEC 61249-2-21. (See NOTE B2)     Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:     Marking:							
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components):     TBBPA (additive)   , TBBPA (reactive)   (See NOTE B3), Other; chemical name:   , CAS #:							
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g							
P7.18	concentra 1. Chemi 2. Chemi	ame retarded plastic parts > 25 g contain the following flame retardant substances/ ations above 0,1%: cal name: , CAS #: (See NOTE B4) cal name: , CAS #: " cal name: , CAS #: "	preparatior	ns in				
	<u>Alt.</u> 2: Cł	nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-	4:					
P7.19	In plastic	parts > 25 g, flame retardant substances/preparations above 0,1% are used which h the following Risk phrases; and Hazard statements:						
			OTE B5)					
P7.20*	Postcons	umer recycled plastic material content is used in the product (See NOTE B6):		$\square$				
	a) Of to perc	t least one of the two alternatives below shall be answered; tal plastic parts' weight > 25 g, the postconsumer recycled plastic material content ( entage of total plastic by weight) is %.	calculated	as a				
	or b) The	weight of recycled material is 9.50 g.						

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model nu	ımber *	MB5450				Logo			
Issue date * 2016/08/26									
	environ	mental attr	ibutes - Market re	quirements (conti	nued)		Require		met
Item							Yes	No	n.a.
D7 04*			ance requirements (c						
P7.21*		•	terial content is used i		,			$\bowtie$	
	a) Of				ered; material content (calcu	lated as a perce	entage of		
	b) The	e weight of th	ne biobased plastic m	aterial is g.					
P7.22*			e from mercury, i.e. le becify: Number of lam		um mercury content pe	er lamp: ı	mg		
P8	Batterie	S							
P8.1*	•		nposition: <i>Lithium</i>						
P9			on (See NOTE B8)						
P9.1	For the	product the f	ollowing power levels	or energy consumption	ons are reported:				
Energy m	ode *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/St modes and te		energy	
	de for ENE Dperational ducts		W	W	0.87 W	OM mode in ENERGY STAR Program for Imaging Equipm		ent	
Standby/off mode for ENERGY STAR Operational Mode (OM) products		erational	W	W	<b>0.21</b> W	OM mode in ENERGY STAR Program for Imaging Equipment			
	e for ENEF	RGY STAR	kWh/week	kWh/week	kWh/week				$\square$
(TEC= Ty	pical Energ	gy							
			W	W	W				
			W	W	W				
			W	W	W				Ē
			W	W	W				$- \square$
			W	W	W				⊢⊢
									ᆜ
			W	W	W				
External F	Power Sup	ply Efficienc	y Level (International	Efficiency Marking Pr	otocol) * :				$\boxtimes$
Print/Scar	n Speed *	:2	24.0 images per minut	e		ISO/IEC 247	34		
Default tir	ne to enter	energy save	e mode: minute	es		1			
P9.2*		•••	e energy save function	n is provided with the	product.	1	$\square$		⊢
P10	Emissio			•	•				
			eclared according to	ISO 9296 (See NOTE	B9)				
P10.1	Mode		ode description	St	atistical upper limit A-w <sub>vA,c</sub> (B)	veighted sound	power level,		
	Idle	* *					$\boxtimes$		
	Operatio	ation * operation mode in ECMA-74		MA-74 *	* 5.8				
	Other m	ode							
	Measure	ed according		ECMA-74 (only if not covered by					

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic.

NOTE B8 A Guidance document on Energy Efficiency is available; see <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>

NOTE B9 A Guidance document on Acoustic Noise is available; see <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>

modelind	mber *	MB5450					Logo			
Issue date *		2016/08/26								
Product	environ	mental attribute	es - Market re	auirement	ts (continued)			Require	ment	me
Item				quirement				Yes	No	n.a
	Chemi	cal emissions from	m printing pro	ducts (See I	NOTE B10)					
P10.2*	Test pe	rformed according ent (ISO/IEC 2836	to ECMA-328	Determinatio	n of Chemical Emis	sion Rates fror	n Electronic			
P10.3		emission rate (ope								
1 10.0	•••		. ,	3 (mg/m).						
		photographic devic	es: Ozone	Dust	Styrene	Benzene	TVOC			
	Ink dev	ices:		Dust	Styrene	Benzene	TVOC			
					o labels to be decla	red in P14.				
P11	Consu	mable materials f	or printing pro	ducts						
P11.1*	A Safet	y Data Sheet (SDS	S) is available for a standard sta S) is available standard stand S) is available standard stand S) is available standard stand S) is available standard stand S) is available standard stand S) is available standard stand S) is available standard stan	or the ink/ton	er preparation, ever	n if not legally r	equired (see P4.3)	. 🛛		
P11.2*	EN 122	81.	,		n be used, provide	d that it meet	s the requirement	s of 🔀		
P11.3*	2-sided	(duplex) printing/c	opying is an in	tegrated proc	duct function.				$\square$	
P11.4*	The pro	oduct is delivered to	o end-user with	default auto	-duplex enabled.					X
P13	Packag	jing and docume	ntation							
P13.1*	Product packaging material type(s): Corrugated Paper   weight (kg): 2.721     Product packaging material type(s): EPS   weight (kg): 0.283     Product packaging material type(s): PE   weight (kg): 0.097									
P13.2*		t plastic primary pa		from PVC.				$\boxtimes$		
P13.3*		duct primary correct fiber		ard packagin 9.5 %	ig, specify the cont	ained percenta	age of minimum p			
P13.4*		media for user an nic 🔀, Paper 🔀,		mentation (ti	ck box):					
P13.5	Ùser ar	only complete this nd product docume please specify:								
	Elemer	chlorine-free Ital chlorine-free sed chlorine-free								
P14		ary programs:								
P14.1			quirements of th	ne following v	voluntary program(s	):				
		BY STAR® pel:	Criteria ver Criteria ver Criteria ver	rsion: rsion:	Date: Date: Date:	Produ Produ	uct category: uct category: uct category:			
P15		nal information (			20101					

NOTE B10 A Guidance document on Chemical Emissions is available; see <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

see <u>http://www.ecma-international.org/publications/standards/Ecma-570.htm</u>

NOTE B11 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.

## Legal references Europe Annex B1

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P4.1
(EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7, P4.2
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, 5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
"REACH" Regulation (1907/2006), annex VII	P1.10
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, P7.19
Directive 2004/12/EC ( Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1