

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 *	Brother	Logo
Company name *	Brother International Europe	
Contact information *	EUBIEEnvironmentalGroup@brother.co.uk	
e-mail address		
Internet site *	www.brother.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 *	Label Printer
Commercial name *	TJ-4420TN
Model number *	TJ-4420TN
Issue date *	5/July/2024
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.

5			
Model number *	TJ-4420TN	Logo	
Issue date *	5/July/2024		

Product	t environmental attributes - Legal requirements	Require	ement	met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	\boxtimes		
P1.2*	Products do not contain Asbestos (see legal reference).	\square		
	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			
F 1.4	terphenyl (PCT) in preparations (see legal reference).	\bowtie		
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	• 🖂		-
1 1.0	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).			
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm ² /week			
	(see legal reference).			
	Comment: Max limit in legal reference when tested according to EN1811:2011-5.			
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	\boxtimes		
	https://www.brother.eu/en/reach			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal	\boxtimes		
DO OT	symbol. Information on proper disposal is provided in user manual. (See legal reference)			
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal	\bowtie		
P2.3*	reference)			
-	Batteries and accumulators are readily removable. (See legal reference)	\square		
P3.1*	Conformity verification & Eco design (ErP) The product is CE-marked to show conformance with applicable legal requirements (see legal reference).			
P3.1	The Declaration of Conformity can be requested at (add link or e-mail address):	\bowtie		
	https://support.brother.com/g/b/manualtop.aspx?c=eu_ot⟨=en∏=lptj4420tneuk			
P3.2*	The product complies with the applicable Eco design Requirements for Energy-Related Products,			\boxtimes
	(see legal reference).			
	Required information is; given in item P15 or added to this document,			\boxtimes
	available at (add URL):			
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium at a level greater			\boxtimes
	than 0,01% (see legal reference and NOTE B1).			
P4.2*	If ink/toner is used in the product, it does not contain cadmium at a level greater than 0,1% by weight (see			\boxtimes
	legal reference)			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there			\bowtie
	are Community workplace exposure limits, the product/packaging is adequately labeled according to			
	applicable regulations and a Safety Data Sheet (SDS) in accordance with these 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 and	\square		
	hexavalent chromium by weight of these together.			
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s	;) 🔀		
	used (see legal reference).			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal	\boxtimes		
	Protocol (see legal reference).			_
20	Comment: Legal reference has no maximum concentration values.			
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	\square		

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 nu	umber *	TJ-44	20TN											I	Logo						
Issue da	te *	5/Jul	y/2024																		
		<u> </u>																			
			attributes			əquir	remen	ts (S	ee G	enera	al No	te Gl	V belo	w)			-				
			conscious Il in. Additio				ording	aaah	itom	movih	e fou	ndun	dor D1	4			Req Yes				net
Item P7	-manda Design		i in. Additio	mai mon	nauo	mieg	arding	each	item r	nay b	be lou	na un		4.			res	5 1	No	n.a.	
. /	Disasser	nblv. re	cvclina																		
P7.1*			be treated	separate	ely ar	re eas	sily sep	arable	e									1			
P7.2*	Plastic m	aterials	in covers/ho	ousing ha	ave n	io sur	face co	ating.													Π
P7.3*			0 g consist							e mate	erials								-		Ħ
P7.4*	•		g have ma										13-4					2	┢		H
P7.5	•		free from m				-				-			lv ava	ilahle t	lools		2	╞		\exists
P7.6*			separable.													0013.			╞		╞
17.0	Product	,		(This req	Junei	nent	ubes no	οι αρμ	ny to s	salety	megu	natory	labels).							
P7.7*			e done e.g.	with proc	esso	or me	emory o	cards	or driv	ves								1			
P7.8*		-	e done using	-						100									╞		╞
P7.9		-	vailable aft	-	-			7													 -
P7.10	<u> </u>								,	5											<u>⊢</u>
P7.10			ole after enc	· · ·		TIOL		year	S												
P7.11*			ostance rec using mater			plaati	on mot		iminu	m).											
F7.11	Material t			nai type (al type:		IIIIIIu	m).			Mate	rial ty	ne [.]						
P7.12			als of extern	nal electri			21		e.				mate	indi ty				1	X		
P7.13			als of interna															1			Ħ
P7.14			asing/cover							1% w	veiaht	t (1000) nom)	brom	ine an	d 0 19	%	1			H
	weight (1 polyvinyl	000 ppr chloride	n) chlorine e or 0,3% han 25% po	attributat weight (3	ble to 3000	o bror ppm	minateo ı) brom	d flam ine a	e reta	ardant	ts, ch	lorinat	ted flai	me ret	tardan	ts, an	d			I	
P7.15	Printed of	circuit bo	pards, PCE	3s (witho	out co	ompo	onents)	are l	ow h	aloge	n: all	I 🔀 F	PCBs	> 25 g	i 🗌 a	are lo	w]	\square		
P7.16	Flame re Marking:	tarded p	lastic parts	> 25 g in	cove	ers / ł	nousing	js are				-]	\square		
P7.17			pecificatior											t com	ponen	ts):		_	_		_
	TBBPA (a	additive)	🔀, TBBF	PA (reacti	ive)	L (S	See NO	TE B	3), Ot	her; c	chemi	cal na	me:	, (CAS #	:]	\boxtimes		
	<u>Alt. 2: </u> Ch according		pecification	ns of flam	ie reta	ardar	nts in pr	rinted	circui	t boar	rds (w	vithout	comp	onents	s) > 25	ōg]	\square		
P7.18	<u>Alt. 1: </u> Fla	ame reta	rded plastic pove 0,1%:	c parts >	-				ving fl	ame i	retarc	dant si	ubstan	ces/pr	epara	tions i	n]			
	1. Chemi 2. Chemi	cal name	e: , C	AS #: AS #:	((See	NOTE	B4)										-		-	
	3. Chemi	cal name	э: , C	:AS #:													Г	1	\square		
			pecification																		
P7.19	assigned	the follo	25 g, flame wing Risk p these class	ohrases;		and	d Hazar	rd stat	emer	nts:	0,1%	are u			ive be TE B5]			

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 http://www.ecma-internationl.org/publications/standards/Ecma-370.htm.

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.

Model num	iber *	TJ-4420	TN						Logo				
Issue date	*	5/July/2	2024										
Product	nvironm	ental att	ributes - Ma	arket re	quirements (c	ontin	ued)				Require	ment	met
Item					quirements (e						Yes	No	n.a.
	Material a	and substa	ance require	ments (continued)								
P7.20*	Postcons	umer recyc	cled plastic m	aterial co	ontent is used in	the pro	duct (See NOTE	B6):				\boxtimes	
	If VES: at	loost ono	of the two alt	ornativos	below shall be a	anewor	od.						
	a) Of to	otal plastic		> 25 g, t	he postconsume		ed, led plastic materia	al content	(calcula	ted as a			
	or b) The	waight of r	onvolod moto	rialia	~								
P7.21*			ecycled mate		g. in the product (S	ee NO	TE B7) [.]					\boxtimes	
1 7.21	Biobasea	plaotio ma		10 0000			12 07).						
	a) Of to		parts' weight		below shall be a the biobased pla		ed; aterial content (ca	lculated a	as a perc	entage o	f		
			he biobased] .							
P7.22*	If mercury	/ is used s	ee from merc pecify: Numb		ess than 0,1 mg/ ps: and m	ʻlamp. naximur	m mercury conten	t per lam	D:	mg			
	Batteries	nemical cor	mponition:										
F0.1	Dallery Cr	Compone			Material		CAS No.	Content	(%)				
	P	ositive elect			anese dioxide		1313-13-9	12 - 5	• •				
	Ne	egative elec	trode	Lithium metal			7439-93-2	0.5 - (0.5 - 6				
		Els start d		-	nethoxyethane		110-71-4	1.5 - 3					
	Electroly		e		m Perchlorate nic electrolyte		7791-03-9 (0.2 - 0.7 2.5 - 7				
				Orgai	Steel	7439	7439-89-6, 7440-47-3 30						
	Others	(Steel or Pla	istic parts)	Pol	ypropylene		9003-07-0	0.5 - 1	0				
P9			on (See NOT										
P9.1	For the pr	roduct the t	following pow	er levels	or energy consu	umptior	ns are reported:						
Energy mod	de *		Power lev 100 V		Power level 115 V AC		Power level a 230 V AC		erence/S des and f	Standard test meth		energy	
Sleep mode STAR® Op (OM) produ	erational N		W		W		W						\square
Standby/off	mode for		W		W		2.436 W	0	М				
Mode (OM)		alional											
TEC value TEC produc Energy Cor	cts (TEC=	Typical	kWh/	week	kWh/we	ek	kWh/weel	k					
	- ,		W		W		W						
			W		W		W						
			W		W		W						
		W		W		W							
W				W		W							
F () =			W		W	- ·	W						
		•	•		Efficiency Marki	-							
Print/Scan					3	es per i	minute						
	Default time to enter energy save mode: minutes												
P9.2	P9.2* Information about the energy save function is provided with the product.												

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.

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 http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	TJ-4420TN	Logo	
Issue date *	5/July/2024		

Product	t environmental	attributes - Market re	quirements ((continued)			Require	ement	met
Item			-	· · · ·			Yes	No	n.a.
P10	Emissions								
	Noise emission	- Declared according to	ISO 9296 (See						
P10.1	Mode	Mode description		Statistical upper <i>L_{WA,c}</i> (B)	r limit A-weigh	nted sound power l	level,		
	Idle	*		*					
	Operation	*		*					
	Other mode								
	Measured accore	ding to: 🚺 ISO 7779 🗌	ECMA-74	(anh) if not only		74)			
	Chamical amia	sions from printing proc		(only if not cove	red by ECMA	-74)			
P10.2*	Test performed	according to ECMA-328 [Determination of	IE BIU) of Chemical Emission	Rates from F	Electronic			
1 10.2	•	(IEC 28360) , other sp							
P10.3		rate (operation phase) is							
	Electrophotograp Ink devices:	ohic devices: Ozone	Dust Dust	Styrene Styrene	Benzene Benzene	TVOC TVOC			
	NOTE: complian	ce with maximum emissi	on rates in eco	labels to be declared	d in P14.				
P11		aterials for printing pro							
P11.1*	A Safety Data SI	neet (SDS) is available fo	r the ink/toner	preparation, even if r	not legally req	uired (see P4.3).			\boxtimes
P11.2*	Paper containing EN 12281.	post-consumer recycled	fibers can be ι	used, provided that it	t meets the re	quirements of			\boxtimes
P11.3*		printing/copying is an int	egrated produc	t function.					\square
P11.4*	The product is d	elivered to end-user with	default auto-du	plex enabled.					
P13	Packaging and	documentation							
P13.1*	Product packagi Product packagi Product packagi	ng material type(s): Pap ng material type(s): PE ng material type(s): Tap	weigh e weigh	nt (kg): nt (kg): nt (kg):					
P13.2*		rimary packaging is free						\boxtimes	
P13.3*	consumer recove	ary corrugated fiberboard ered fiber content:	%		percentage of	minimum post-			\boxtimes
P13.4*	Specify media fo	r user and product docur Paper 🔀, Other 📃	nentation (tick b	box):					
P13.5		nplete this item if paper d t documentation on pape ecify:						\boxtimes	
	Totally chlorine-f	ree							
	Elemental chlorine-free								
	Processed chlori	ne-free					H		
P14	Voluntary prog								
P14.1		ets the requirements of th	e following volu	untary program(s):					
	ENERGY STAR Eco-label: Eco-label:	® Criteria ver Criteria ver Criteria ver	sion:	Date: 2020/05 / Date: Date:	Product	category: Printe category: category:	r		

NOTE B9 A Guidance document on Acoustic Noise is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

NOTE B10 A Guidance document on Chemical Emissions is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	TJ-4420TN	Logo	
Issue date *	5/July/2024		

Product environmental attributes - Market requirements (concluded) Requirement me								
P15	Additional information (See NOTE B11)							

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, P3.1, P4.1
Commission Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7, P4.2
Commission Regulation (EC) 1907/2006 (REACH Regulation), annex VII	P1.10
Commission Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Commission Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * 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 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment (Standby Regulation)	P3.1, P3.2, P9.1
Commission 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	
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
Commission 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
Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register.	
Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	