

Notes for inputting "Report on Chemical Substances Contained in the Product "
(Former name:"Report on Environmental Impact Substances Contained in the Product")
for Device-Group Affiliated Company※ ver.13.0.

※Device-Group Affiliated Company : Sharp Sensing Technology Corporation and Sharp Display Technology Corporation
 Sharp Semiconductor Innovation Corporation, Sharp Fukuyama Laser Co., Ltd.

1. This report consists of following sheets :

Sheet	Content	Page
A. RoHS	A1. Presence of banned substances in the product A2. Presence of banned substances depending on application	1/3
B. Others	B1. Presence of banned substance D15:O49 B2. Presence of banned substances depending on application B3. Ozone-depleting substances contained in the product or used in manufacturing	2/3 ~ 3/3
A (appendix). RoHS	A2-Appendix	RoHS (appendix) 1/1
B (appendix). Others	B2-Appendix	Others (appendix) 1/3 ~ 3/3
C. Device	Report on Chemical Substances contained in product for Device-Group Affiliated Company	1/2~2/2
C (appendix).Device	C2-Appendix	1/1

Note) All newly-adopted parts and materials.

Packaging which is used for delivered parts/materials is applied.

Please report the substances containing in the packaging with the same standard (threshold).

However, the packaging is not applicable when it is clear that packaging will be discarded at Sharp site

And no possibility of migration and adulteration of object substances to the parts and the materials.

"A.RoHS", "B.Others", "A (appendix) .RoHS", "B (appendix) .Others" are Sharp common sheets,
 "C.Device", "C(appendix).Device" sheets are those that Device-Group Affiliated Company requires.

Please submit all of the sheets. Regarding "A2-Appendix", "B2-Appendix"and "C2-Appendix"
 please attach when the "banned substances depending on application" in A2, B2 and/or C2 are contained.

2. In this report, there are entry fields as follows:

< On the top of the sheet "A. RoHS", "C.Device">

- "Date"
- "Company name"
- "Department"

< On the bottom of the sheet "B. Others", "C.Device">

- "Responsible by" and his/her signature or seal
- "Written by" and his/her signature or seal

Please fill in above fields.

Use only Japanese or English, don't use other language.

3. In the fields of "Information on surveyed product" on the sheet "A. RoHS", please fill the contents below:

- 1) Product Name : the name of the product which you deliver
- 2) Sharp Part Code : the product code assigned by Sharp
- 3) Manufacturer's Model Code: the model code assigned by your company
- 4) Product Weight [g] : the weight of the product which you deliver

4. In the fields of "Information on surveyed product" on the sheet "C.Device", please fill the contents below:

- 1) Product Name : the name of the product which you deliver
- 2) Sharp Part Code : the product code assigned by Sharp
- 3) Manufacturer's Model Code: the model code assigned by your company
- 4) Place of production (Factory name) : production location (factory name) of product which you deliver

5. When inputting into each sheet directly,
 please select the answer from the drop-down list of each criteria.

6. In case of changing the description of this report,
 please send promptly the revised report to Sharp.

To: SHARP Corporation

Date (yyyy/mm/dd) _____

Company Name _____

Department _____

Report on Chemical Substances Contained in the Product (ver.13.0)

(Former name: Report on Environmental Impact Substances Contained in the Product)

We report the following verified results on the chemical substances.

Information on surveyed product

1) Sharp Part Code _____

2) Product Name _____

3) Manufacturer's Model Code _____

4) Product Weight [g] _____

A.RoHS-related chemical Substances

A1.Presence of banned substances in the product

< Meet criteria: "Applicable", Do not meet criteria: "Not Applicable" >

No.	Substances	Check point (Criteria) *1)	Result
1	Hexavalent chromium compound *2)	Content is 1000ppm or less. However, content is less than 3ppm of the dry weight of the leather in leather articles and parts coming into contact with the skin.	< Applicable / Not Applicable >
2	Polybrominated biphenyls (PBBs)	Content is 1000ppm or less.	< Applicable / Not Applicable >
3	Polybrominated diphenyl ethers (PBDEs)	Content is 1000ppm or less.	< Applicable / Not Applicable >

*1) Unit for calculating content rate is homogeneous material if not otherwise specified.

*2) On EU Directive on Packaging etc., for packaging part and packaging material, the total concentration of these four heavy metals in part/material, ink and paint which constitute a package is 100ppm or less each.

Note) When the result shows "Not Applicable", the product is not adopted by SHARP in principle.

A2.Presence of banned substances depending on application

< Meet criteria: "Applicable", Do not meet criteria: "Not Applicable" >

No.	Substances	Check point (Criteria) *1)	Result
1	Cadmium and its compound *2)	Content is 100ppm or less. Regarding batteries, complying with the EU Battery Directive (2006/66/EC, 2013/56/EU).	< Applicable / Not Applicable >
2	Lead and its compound *2)	All of the following (1) to (4) are satisfied. (1) In the case of plastics, the content is 300ppm or less. (2) In the case of batteries, comply with the EU Battery Directive (2006/66/EC, 2013/56/EU). (3) In case of use in toy/products for children, not correspond to the banned criteria of both (1) and (2) in 2 of A2-Appendix. (4) In the cases other than the above (1) to (3), the content is 1000ppm or less.	< Applicable / Not Applicable >
3	Mercury and its compound *2)	Content is 1000ppm or less. Regarding batteries, complying with the EU Battery Directive (2006/66/EC, 2013/56/EU).	< Applicable / Not Applicable >
4	Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate (DBP), Bis(butylbenzyl) phthalate (BBP), Diisobutyl phthalate (DIBP) *3)	Total content of 4 substances (DEHP, DBP, BBP, DIBP) is 1000ppm or less.	< Applicable / Not Applicable >

*1) Unit for calculating content rate is homogeneous material if not otherwise specified.

*2) On EU Directive on Packaging etc., for packaging part and packaging material, the total concentration of these four heavy metals in part/material, ink and paint which constitute a package is 100ppm or less each.

*3) The four types of phthalates (DEHP, BBP, DBP, DIBP) are mainly used as plasticizers for soft resins, and have the property of being transferred from other products by contact (migration). Since there is a possibility of transfer from packaging to parts and materials, please report the substances containing in the packaging with the same standard (threshold).

When the result shows "Not Applicable", we complete the A2-Appendix where the use of each substance is detailed and attach it.

B.Others

B1.Presence of banned substances in the product

< Meet criteria: "Applicable", Do not meet criteria: "Not Applicable" >

No.	Substances	Check point (Criteria) *1)	Result
1	Tributyl Tin Oxide (TBTO)	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
2	Tri-substituted organostannic compounds	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
3	Polychlorinated biphenyls (PCBs) and specific substitutes	Not intentionally added.	< Applicable / Not Applicable >
4	Polychlorinated naphthalenes	Not intentionally added. (Chlorine atom 1-8 are subject to the regulation.)	< Applicable / Not Applicable >
5	Short chain chlorinated paraffin	Not intentionally added. (Only C:10-13 are subject to the regulation.)	< Applicable / Not Applicable >
6	Asbestos	Not intentionally added.	< Applicable / Not Applicable >
7	Polychlorinated Terphenyls (PCTs)	Content is 50ppm or less. Not intentionally added.	< Applicable / Not Applicable >
8	Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	Not intentionally added.	< Applicable / Not Applicable >
9	Hexabromocyclododecane (HBCDD)	Content is 100ppm or less. Not intentionally added.	< Applicable / Not Applicable >
10	Cobalt dichloride	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
11	Dimethyl fumarate	Content is 0.1ppm or less. Not intentionally added.	< Applicable / Not Applicable >
12	Refractory Ceramic Fibers, Aluminosilicate	Not intentionally added.	< Applicable / Not Applicable >
13	Refractory Ceramic Fibers, Zirconia Aluminosilicate	Not intentionally added.	< Applicable / Not Applicable >
14	Dibutyltin (DBT) compounds	Content is 1000ppm or less by weight of tin in a material.	< Applicable / Not Applicable >
15	Pentachlorothiophenol (PCTP)	Content is 1wt% or less.	< Applicable / Not Applicable >

*1) Unit for calculating content rate is homogeneous material if not otherwise specified.

Note) When the result shows "Not Applicable", the product is not adopted by SHARP in principle.

B2.Presence of banned substances depending on application

< Meet criteria: "Applicable", Do not meet criteria: "Not Applicable" >

No.	Substances	Check point (Criteria) *1)	Result
1	Beryllium and its compound	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
2	Azo colorants	Not intentionally added.	< Applicable / Not Applicable >
3	Polyvinyl Chloride and its copolymer	Not intentionally added.	< Applicable / Not Applicable >
4	Phthalates other than the four RoHS-related Phthalates.	Total content of content is 1000ppm or less regarding other than following four phthalates. Bis(2-ethylhexyl)phthalate:DEHP, Dibutyl phthalate: DBP, Bis(butylbenzyl) phthalate: BBP, Diisobutyl phthalate: DIBP,	< Applicable / Not Applicable >
5	Radioactive substances	Not intentionally added.	< Applicable / Not Applicable >
6	Perfluorooctane sulfonate (PFOSs) *2)	Not intentionally added, and Content in substance/mixture is 10ppm or less, Content of sub-product/article etc. except substance/mixture is 1000ppm or less, Content of coating agent is 1µg/m ² or less.	< Applicable / Not Applicable >
7	Fluorinated greenhouse gases (HFC, PFC, SF6)	Not intentionally added.	< Applicable / Not Applicable >
8	Formaldehyde	Wood component: atmospheric concentration is 0.1ppm or less (by the chamber method). Plastics/fibers: content is 75ppm or less.	< Applicable / Not Applicable >
9	Perchlorates	Not intentionally added. (Only battery is targeted by this survey. No response is necessary except battery)	< Applicable / Not Applicable >
10	Nickel and its compound	Not intentionally added.	< Applicable / Not Applicable >
11	Arsenic and its compound	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
12	Boric acid	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
13	Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >

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No.	Substances	Check point (Criteria) *1)	Result
14	Diocetyl tin (DOT) compounds	Content is 1000ppm or less by weight of tin in a material.	< Applicable / Not Applicable >
15	Perfluorooctanoic acid (PFOA) and its salts and PFOA-related substances *3)	The following (1) and (2) are to be satisfied in the Mixture or Article. (1) PFOA (including its salt): Content is less than 25ppb. (2) Combination of one or multiple PFOA-related substances: Total content is less than 1000ppb (1ppm).	< Applicable / Not Applicable >
16	Chlorinated flame retardants	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
17	Tris (2-chloroethyl) phosphate (TCEP)	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
18	Tris(2-chloro-1-methylethyl) phosphate (TCPP)	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
19	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
20	Polycyclic aromatic hydrocarbons (PAHs)	Content is less than 1ppm regarding target PAHs *4).	< Applicable / Not Applicable >
21	Red phosphorus	Content is 1000ppm or less. Not intentionally added.	< Applicable / Not Applicable >
22	Isopropylphenyl phosphate (PIP(3:1))	Not intentionally added.	< Applicable / Not Applicable >
23	Hexachlorobutadiene (HCBD)	Not intentionally added.	< Applicable / Not Applicable >
24	2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	Not intentionally added.	< Applicable / Not Applicable >
25	4,4'-isopropylidenediphenol (Bisphenol A)	Content is less than 0.02wt%.	< Applicable / Not Applicable >
26	4,4'-sulfonyldiphenol (Bisphenol S)	Content is less than 0.02wt%.	< Applicable / Not Applicable >
27	Halogenated flame retardant *5)	Total content of halogen elements attributed to the halogenated flame retardants in the homogeneous material is 0.1wt% or less	< Applicable / Not Applicable >

*1) Unit for calculating content rate is homogeneous material if not otherwise specified.

*2) As for "Perfluorooctane sulfonate (PFOSs) and its salt", Scoped substances CAS No. (1763-23-1, 307-35-7, 29457-72-5, 2795-39-3).

*3) Total content of substances with following CAS No. (335-67-1, 3825-26-1, 335-95-5, 2395-00-8, 335-93-3, 335-66-0, 376-27-2, 3108-24-5).

*4) Scoped substances CAS No. (50-32-8, 192-97-2, 56-55-3, 218-01-9, 205-99-2, 205-82-3, 207-08-9, 53-70-3).

*5) "Halogenated flame retardant" means a flame retardant that contains any halogen.

When the result shows "Not Applicable", we complete the B2-Appendix where the use of each substance is detailed and attach it.

B3.Ozone-depleting substances contained in the product or used in manufacturing

< Meet criteria: "Applicable", Do not meet criteria: "Not Applicable" >

No.	Substances	Check point (Criteria)	Result
1	Ozone-depleting substances [regulated by the Montreal Protocol (Class I and II)] *1)	(1) Not contained in part/materials.	< Applicable / Not Applicable >
		(2) Using printed wiring boards (PWBs) in the product	< Yes / No >
		(3) Not used in the rinse process. (If the result in the item (2) is YES only, answer this item) (Even if "Not used" is selected, that means you didn't use these substances to rinse process, describe rinse solution and method of the rinse process.)	< Used / Not Used >
		Rinse solution :	
	Rinse method :		

*1) Regarding Ozone-depleting substances, scoped substances are CFC, 1,1,1-trichloroethane, Carbon tetrachloride, Bromomethane, Bromochloromethane, Halon, HBFC and HCFC.

Note) When "Not Applicable" and/or "Used" is selected on the Result, the part or material is prohibited by the SHARP standard.

Writer

Responsible Person

("Signature" OR "input name and Seal")

A2-Appendix

Regarding items whose confirmatory result are "Not Applicable" in clause A2, "X" are marked in the result column based on the criteria in accordance with "The SHARP's policy of delivery dates to SHARP and EU RoHS exemption's due date".

The SHARP's policy of delivery dates to SHARP and EU RoHS exemption's due date.
 1) In principle, SHARP set up delivery prohibition date to SHARP as "six month" before the due date of EU RoHS exemption.
 Example) If the deadline of RoHS Exemption is "21 July 2021," the delivery prohibition date to SHARP is "21 Jan. 2021".
 2) If the deadline of RoHS Exemption is changed after issuance of this report, in principle, the delivery prohibition date to SHARP will be six months before the changed deadline.
 3) It is based on information on the exemption deadline of the EU RoHS Directive at the time of issuance of this report (Oct. 2021).

Substances	No.	Check point (Criteria)	RoHS Exemption	Result	
1 Cadmium and its compound					
Banned	(1)	Used in every application other than the following (2)-(5).	-		
	Usable	(2)	Used for electrical contacts [Under deliberation for exemption renewal in EU]*2	8(b)-I	-
		(a)	Circuit breakers		
		(b)	Thermal sensing controls		
		(c)	Thermal motor protectors (excluding hermetic thermal motor protectors)		
		(d)	AC switches rated at 6A and more at 250V AC and more, or 12A and more at 125V AC and more		
		(e)	DC switches rated at 20A and more at 18V DC and more		
	(f)	Switches for use at voltage supply frequency ≥ 200 Hz			
	(3)	Used in striking optical filter glass types, excluding applications falling under point 39 of EU RoHS directive annex III [Under deliberation for exemption renewal in EU]*2	13(b)-(II)		
	(4)	Used in white glass used for an optical purpose [Under deliberation for exemption renewal in EU]*2	13(b)-(III)		
(5)	Using exemptions listed in EU RoHS directive other than above and having permission from adoption decision.	-			
		EU RoHS directive Annex No. :	-	< AnnexIII / AnnexIV >	
		RoHS Exemption No. :	-		
2 Lead and its compound					
Banned	(1)	Used in products for children 12 and under, containing lead exceeding 0.01wt% per armored part.	-		
	(2)	Used in parts/material used in toys, containing lead above 0.009% per surface treatment layer such as coating.	-		
	(3)	Used in every application other than the following (4)-(13).	-		
Usable	(4)	Used in high-melting point solder (lead-based alloys containing 85 % by weight or more lead) [Under deliberation for exemption renewal in EU]*2	7(a)		
	(5)	Used in electrical and electronic components in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound [Under deliberation for exemption renewal in EU]*2	7(c)-I		
	(6)	Used less than 0.2% by weight in glass of fluorescent tubes [Under deliberation for exemption renewal in EU]*2	5(b)		
	(7)	Contained as an alloying element			
	(a)	Used less than 0.35% by weight in steel alloy for machining purposes [Under deliberation for exemption renewal in EU]*2	6(a)-I		
	(b)	Used less than 0.4% by weight in aluminium alloy for machining purposes [Under deliberation for exemption renewal in EU]*2	6(b)-II		
	(c)	Used less than 4% by weight in copper alloy [Under deliberation for exemption renewal in EU]*2	6(c)		
	(8)	Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies [Under deliberation for exemption renewal in EU]*2	15(a)	-	
	(a)	A semiconductor technology node of 90 nm or larger			
	(b)	A single die of 300 mm2 or larger in any semiconductor technology node			
	(c)	Stacked die packages with die of 300 mm2 or larger, or silicon interposers of 300 mm2 or larger			
	(9)	Used in white glass used for an optical purpose [Under deliberation for exemption renewal in EU]*2	13(a)		
	(10)	Used in ion coloured optical filter glass types [Under deliberation for exemption renewal in EU]*2	13(b)-(I)		
(11)	Used in glazes used for reflectance standards [Under deliberation for exemption renewal in EU]*2	13(b)-(III)			
(12)	Used in dielectric ceramic used in a capacitor with rated voltage of 125V AC or 250V DC or larger [Under deliberation for exemption renewal in EU]*2	7(c)-II			
(13)	Using exemptions listed in EU RoHS directive other than above and having permission from adoption decision.	-			
		EU RoHS directive Annex No. :	-	< AnnexIII / AnnexIV >	
		RoHS Exemption No. :	-		

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3 Mercury and its compound			
Banned	(1)	Used in every application other than the following (2)-(5).	-
Usable	(2)	Used in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes (per lamp):	
		(a) Short length (≤ 500 mm): under 3.5mg [Under deliberation for exemption renewal in EU]*2	3(a)
		(b) Medium length (> 500 mm and ≤ 1500 mm): under 5mg [Under deliberation for exemption renewal in EU]*2	3(b)
	(c) Long length (> 1500 mm): under 13mg [Under deliberation for exemption renewal in EU]*2	3(c)	
	(3)	Used in metal halide lamps (MH) [Under deliberation for exemption renewal in EU]*2	4(e)
	(4)	Used in other discharge lamps for special purposes specified in of EU RoHS directive Annex III 4(f) (2011/65/EU) [Under deliberation for exemption renewal in EU]*2	4(f)
(5)		Using exemptions listed in EU RoHS directive other than above and having permission from adoption decision.	-
		EU RoHS directive Annex No. :	-
		RoHS Exemption No. :	-
			< AnnexIII / AnnexIV >
4 Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate (DBP), Bis(butylbenzyl) phthalate (BBP), Diisobutyl phthalate (DIBP)			
Banned	(1)	Used other than the following (2).	-
Usable	(2)	In the case of parts/materials used in the product that is both "regulated EU RoHS Directive" and "other than Children's toy or child care article", content of DEHP, DBP, BBP and DIBP is 1000ppm or less respectively.	-

*1) The number of this column is that of an exempted application of EU RoHS directive Annex III (2011/65/EU) .

*2) An application for extension of exemption was accepted in the EU, and it is under deliberation at the time of issuance of this report (Sept. 2020).

This exemption is valid during deliberation. When the deadline is decided, delivery prohibition date to SHARP will be six months before the deadline.

B2-Appendix

Regarding items whose confirmatory result are "Not Applicable" in clause B2, "X" are entered in the result column as the result of the confirmation pursuant to the criteria.

Substances	No.	Check point (Criteria)	Result
1 Beryllium and its compound			
Banned	(1)	Using Beryllium oxide.	
	(2)	Used in the other than the following (3).	
Usable	(3)	Used in the exception items.	
	(a)	Alloy	
	(b)	Ceramics	
	(c)	Glass	
	(d)	Semiconductor	
2 Azo colorants			
Banned	(1)	Used in a contact part with human body of a product (e.g. : electric carpet, earphone, strap and etc.) which is manufactured based on the premise that the product continuously contacts human body, and may produce carcinogenic amine over 30ppm when discomposed.	
Usable	(2)	Used in every application other than the above (1). (Used in a part which does not continuously contact with human body)	
3 Polyvinyl Chloride and its copolymer			
Banned	(1)	Used in packaging material and packaging part for Sharp product.	
Usable	(2)	Used in the other than the above (1).	
4 Phthalates other than the four RoHS related Phthalates.			
Banned	(1)	Diisononyl Phthalate:DINP, Diisodecyl phthalate:DIDP or Di-n-octyl phthalate:DNOP is used in parts/materials that is used in products that are children's toy or child care article that can be placed in a child's mouth (over 1000ppm in total).	
Usable	(2)	Used under conditions that do not correspond to (1) above.	
5 Radioactive substances			
Banned	(1)	Used in the other than the following (2)-(3).	
Usable	(2)	Using "Thorium" in the magnetron of a microwave oven.	
	(3)	Using "Krypton 85" in the electric bulb for a LCD projector.	
6 Perfluorooctane sulfonate (PFOSs)			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	Used in mist suppressants for hard chrome plating, and moistening agent used in equipment for plating.	
7 Fluorinated greenhouse gases (HFC, PFC, SF6)			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	Use for the refrigerant and/or the thermal insulator (HFC only).	
8 Formaldehyde			
Banned	(1)	Used in wooden parts.	
	(2)	Used in a direct human body contact part of a product which is intended to continuously contact with human body. (e.g.: electric carpet, earphone, strap and etc.)	
Usable	(3)	Used in the other than the above (1)-(2).	
9 Perchlorates			
Usable	(1)	Contained above 6ppb by weight per battery. (Necessary to caution on operation manual)	
	(2)	Contained less than 6ppb by weight per battery.	
10 Nickel and its compound			
Banned	(1)	Used in parts which continuously contact with human skin for a long time.	
Usable	(2)	Used in the other than the above (1).	
11 Arsenic and its compound			
Banned	(1)	Using Diarsenic Pentoxide	
	(2)	Used in the other than the following (3)-(4).	
Usable	(3)	Used in the lamp of LCD projector. (Diarsenic trioxide)	
	(4)	Used for the exception items.	
	(a)	Semiconductor	
	(b)	Resist	
	(c)	Magnet filter	
	(d)	Copper foil	
	(e)	Battery	

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Substances	No.	Check point (Criteria)	Result
12 Boric acid			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	Used for applications below;	
		(a) Polarizers (made of PVA)	
		(b) Glass	
		(c) Adhesive agent	
13 Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	Used for applications below;	
		(a) Polarizers (made of PVA)	
		(b) Glass	
		(c) Adhesive agent	
		(d) Fiber	
14 Dioctyltin (DOT) compounds			
Banned	(1)	Used for two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits).	
Usable	(2)	Used in the other than the above (1).	
15 Perfluorooctanoic acid (PFOA) and its salts and PFOA-related substances			
Banned	(1)	Used in the other than the following (2)-(4).	
Usable	(2)	Used in photo-lithography processes for semiconductors or in etching processes for compound semiconductors	
		Used in photo coating used in printing plates, film, and documents.	
		Using exemptions listed in EU POPs regulation Annex I Part A other than above and having permission from adoption decision.	
		(Required fields) Applied exemption ()	
16 Chlorinated flame retardants			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	It is difficult to substitute, and a permission from the adoption decision department in Sharp was obtained.	
		(Required fields) Reason for "difficult to substitute" and Point of use ()	
17 Tris (2-chloroethyl) phosphate (TCEP)			
Banned	(1)	Used in products for children 12 and under or home furnishings covered with fiver.	
	(2)	Used in the other than the following (3)-(6).	
Usable	(3)	Used in motor vehicles or replacement parts or replacement equipment for motor vehicles.	
		Used in commercial or residential building insulation or wiring that otherwise complies with the Construction Codes Supplement, set forth in Title 12 of the District of Columbia Municipal Regulations	
		Used in desktop and laptop computers, audio and video equipment, calculators, wireless telephones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cables, adaptors, and other similar connecting devices; or.	
		Used in storage media, such as compact discs, for interactive software, such as computer games.	
18 Tris(2-chloro-1-methylethyl) phosphate (TCPP)			
Banned	(1)	Used in products for children 12 and under or home furnishings covered with fiver.	
Usable	(2)	Used in the other than the above (1).	
19 Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)			
Banned	(1)	Used in products for children 12 and under or home furnishings covered with fiver.	
	(2)	Used in the other than the following (3)-(6).	
Usable	(3)	Used in motor vehicles or replacement parts or replacement equipment for motor vehicles.	
		Used in commercial or residential building insulation or wiring that otherwise complies with the Construction Codes Supplement, set forth in Title 12 of the District of Columbia Municipal Regulations	
		Used in desktop and laptop computers, audio and video equipment, calculators, wireless telephones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cables, adaptors, and other similar connecting devices; or.	
		Used in storage media, such as compact discs, for interactive software, such as computer games.	

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20 Polycyclic aromatic hydrocarbons (PAHs)			
Banned	(1)	Used in rubber or plastic components that come into direct as well as prolonged or shortterm repetitive contact with the human skin or the oral cavity.	
Usable	(2)	Used in the other than the above (1).	
21 Red phosphorus			
Banned	(1)	Used in plastic or rubber.	
Usable	(2)	Used in the other than the above (1).	
	(3)	Used in the above (1) , and it is difficult to substitute, and a permission from the adoption decision department in Sharp was obtained. (Required fields) Reason for "difficult to substitute" and Point of use ()	
22 Isopropylphenyl phosphate (PIP(3:1))			
Banned	(1)	Used in the other than the following (2)-(5).	
Usable	(2)	Used in adhesives or sealants and a permission from the adoption decision department in Sharp was obtained. [Prohibited after 6 January 2024] /	
	(3)	Used in lubricants or greases.	
	(4)	Used in products or articles made of plastic recycled from products or articles containing PIP (3:1), where no new PIP (3:1) was added during the production of the products or articles made of recycled plastic.	
	(5)	Using exemptions listed in USA TSCA SECTION 6 PBT-chemicals other than above and having permission from adoption decision. (Required fields) Applied exemption ()	
23 Hexachlorobutadiene (HCBd)			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	Unintentional production of HCBd as a byproduct in the production of chlorinated solvents	
24 2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)			
Banned	(1)	Used in the other than the following (2).	
Usable	(2)	Used in articles	
25 4,4'-isopropylidenediphenol(Bisphenol A)			
Banned	(1)	Used in thermal paper, containing equal to or greater than 0.02wt%.	
Usable	(2)	Used in the other than the above (1).	
26 4,4'-sulfonyldiphenol (Bisphenol S)			
Banned	(1)	Used under conditions that do not correspond to following (2)-(3).	
Usable	(2)	Used for other than thermal paper.	
	(3)	(Used in thermal paper, containing equal to or greater than 0.02wt%) and used for products with a limited destination and having permission from adoption decision.	
27 Halogenated flame retardant			
Banned	(1)	Used in enclosure and stand of electronic displays including televisions, monitors and digital signage displays with a screen area over 100cm ² , Total content of halogen elements attributed to the halogenated flame retardants in the homogeneous material is over 0.1wt%.	
Usable	(2)	Used in the other than the above (1).	

C. Report on Chemical Substances contained in product for Device-Group Affiliated Company
--

Date: _____
 Company Name: _____
 Department: _____

We report on the chemical substances contained in the product delivered to you as follows:

1. Information on surveyed product

- 1) Product Name _____
 2) Sharp Part Code Number _____
 3) Manufacturer's Part Code Number _____
 4) Place of production (Factory name) _____

2. Verified results**2-1. Presence of banned substances in the product**

No.	Substances	CAS No.	Criteria *1)	Result
1	Chemical Substances Control Law : Class I specified Chemical Substances *2)	-	Not intentionally added.	Applicable / Not Applicable
	※Chemical Substances Control Law : Class II specified Chemical Substances *3)	-	Not intentionally added.	Applicable / Not Applicable
	※Chemical Substances Control Law : Monitoring Substances *4)	-	Not intentionally added.	Applicable / Not Applicable
2	TSCA *5)	-	Not intentionally added.	Applicable / Not Applicable
3	POPs *6)	-	Not intentionally added.	Applicable / Not Applicable
4	Musk xylene	81-15-2	Not intentionally added and the content is less than 1000ppm (0.1%).	Applicable / Not Applicable
5	Anthracenes	-	Not intentionally added and the content is less than 1000ppm (0.1%).	Applicable / Not Applicable
6	※Chlorinated paraffins: C23, 43% chlorine	108171-27-3	Not intentionally added.	Applicable / Not Applicable
7	※Medium Chain Chlorinated Paraffins (MCCP)[Group](14-19 carbons)	-	Not intentionally added.	Applicable / Not Applicable
8	※1,3-Dichloropropene	542-75-6	Not intentionally added.	Applicable / Not Applicable
9	※p-Dimethylaminoazobenzene	60-11-7	Not intentionally added.	Applicable / Not Applicable
10	※Hydrogen chloride	7647-01-0	Not intentionally added.	Applicable / Not Applicable
11	※N,N'-Ethylenebis(dithiocarbamate manganese (Maneb))	12427-38-2	Not intentionally added.	Applicable / Not Applicable
12	※1-Naphthylamine	134-32-7	Not intentionally added.	Applicable / Not Applicable

*1) Unit for calculating content rate is homogeneous material.

*2) Japan Chemical Substances Control Law : Class I specified Chemical Substances

*3) Japan Chemical Substances Control Law : Class II specified Chemical Substances

*4) Japan Chemical Substances Control Law : Monitoring Substances

*5) Toxic Substances Control Act: TSCA(US) Banned or restricted substances (Section 6)

*6) EU POPs Regulation (EC) 850/2004 ANNEX I

※ Device Group-Specific Survey-Targeted Chemical Substances

< Continued from the previous page.>

2-2. Presence of banned substance depending on application

If the check result does not meet the criteria, we will decide whether to use it on C2 - appendix.

No.	Substances		Criteria *1)	Result
1	REACH regulation Restricted substances *7)	-	Not intentionally added.	Applicable / Not Applicable
2	Antimony and its compound	-	The content of Antimony and its compound is less than 1000ppm.	Applicable / Not Applicable
3	※Polyvinyl chloride	9002-86-2	Not intentionally added.	Applicable / Not Applicable
4	※Natural rubber	-	Not intentionally added.	Applicable / Not Applicable
5	※Tetrachlorophthalic anhydride	117-08-8	Not intentionally added.	Applicable / Not Applicable
6	Nonylphenol compounds and its ethoxylate	-	Not intentionally added.	Applicable / Not Applicable
7	※Halogen substances (Chlorine, Bromine) *8)	-	It satisfies all of the following conditions (1), (2) and (3).	Applicable / Not Applicable
			(1) The content of "Chlorine" is less than 900 ppm (0.09%)	
			(2) The content of "Bromine" is less than 900 ppm (0.09%)	
			(3) The content of the total of "Chlorine" and "Bromine" is less than 1500ppm (0.15%)	

*1) Unit for calculating content rate is homogeneous material.

*7) EU REACH Regulation (No 1907/2006) ANNEX XVII

*8) Please submit an analysis report on halogen substances and phthalates, only when there is the request from the Sharp's department. And please ensure that it is the report on the result of examination issued by analytical organization.

※ Device Group-Specific Survey-Targeted Chemical Substances

3. Points to be checked on phthalate usage condition (process control)

6 phthalates: ("DEHP(DOP) (CAS No.117-81-7)", "DBP(CAS No.84-74-2)", "BBP (CAS No.85-68-7)", "DINP(CAS No.28553-12-0/68515-48-0)", "DIDP(CAS No.26761-40-0/68515-49-1)", "DNOP(CAS No.117-84-0)")

No.	Criteria	Verified results
1	6 phthalates shown above are handled as raw materials.(including by-product material)	Yes/No
2	(If the answer of "No.1" is "YES") The production facility where the above phthalates are handled is used as the facility for products to be supplied to Sharp.	Yes/No
3	(If the answer of "No.2" is "YES") Regarding the method for preventing the phthalates from being contained in products to be supplied to Sharp, reply it on a separate sheet -Procedures for cleaning facilities, etc. -Methods for examination of lot guarantees, etc.	Answer on a separate sheet

4. Points to be checked on managed substances

If the check result does not meet the criteria, we disclose content information in chemSHERPA..

No.	Substances		Criteria *9)	Result *2)
1	Alkylphenol (C5-9) excluding nonylphenol ※	-	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
2	※Benzophenone	119-61-9	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
3	※Chromium and its Compounds excluding hexavalent chromium	-	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
4	※2,4-Dichlorophenol	120-83-2	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
5	※Ethylbenzene	100-41-4	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
6	※Isocyanate	71000-82-3	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
7	※Octachlorostyrene	29082-74-4	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
8	※Phosphorus flame retardant excluding red phosphorus	-	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable
9	REACH Regulation [substances of very high concern (SVHC)] *10)	-	Content is 1000ppm or less of component mass ratio. Not intentionally added.	Applicable / Not Applicable
			In case of Not Applicable, enter the CAS RN or chemical substance name of the target chemical substance in the C-Appendix.	
10	Tetrabromobisphenol-A	79-94-7	Content is 1000ppm or less. Not intentionally added.	Applicable / Not Applicable

※Device Group-Specific Survey-Targeted Chemical Substances

*9)Please report the content of REACH regulation SVHC as the minimum component ratio, and the other as homogeneous material ratio.

*10) For the latest SVHC information, Please see the ECHA website regarding REACH Regulation (URL <https://echa.europa.eu/candidate-list-table>)

Responsible by: _____

Written by: _____

Signature or Seal: _____

Signature or Seal: _____

C2-Appendix

Regarding items whose confirmatory result are "Not Applicable" in clause 2-2, "X" are entered in the result column as the result of the confirmation pursuant to the criteria.

Substances	No.	Check point (Criteria)	Result
1 REACH Regulation Restricted substances			
Banned	(1)	Used in every application other than the following (2),(3)	
	Usable	(2)	Remained in the article and the residual content is less than 0.1 wt% with respect to the total mass of the product.
		(3)	Remained in the article, the residual content is 0.1 wt% or more with respect to the total mass of the product, and it is difficult to substitute.
2 Antimony and its compound			
Banned	(1)	Part/material for the specific customer *12)	
	Usable	(2)	Used in every application other than the above item (1)
*12) Please confirm whether it is that for the specific customer to the part/material adopted division.			
3 Natural rubber			
Banned	(1)	Used in every application other than the following items (2),(3)	
	使用可 / Usable	(2)	Used in the applications that do not directly touch the skin.
		(3)	Used in packaging part
4 Polyvinyl chloride (PVC)			
Banned	(1)	Used in packaging material and packaging part for Sharp product.	
	(2)	Used in every application other than the following item (3).	
	Usable	(3)	It is difficult to substitute, and a permission from the adoption decision department in Sharp was obtained.
(Required fields) Reason for "difficult to substitute" and Point of use ()			
5 Tetrachlorophthalic anhydride			
Banned	(1)	Used in every application other than the following item (2).	
	Usable	(2)	It is difficult to substitute, and a permission from the adoption decision department in Sharp was obtained.
(Required fields) Reason for "difficult to substitute" and Point of use ()			
6 Nonylphenol compounds and its ethoxylate			
Banned	(1)	textile article.	
	Usable	(2)	Used in every application other than the above item (1)
7 Halogen substances *11)			
Banned	(1)	Part/material for the specific customer *12)	
	Usable	(2)	Used in every application other than the above item (1)
*11) Please submit an analysis report on halogen substances and phthalates, only when there is the request from the Sharp's department. And please ensure that it is the report on the result of examination issued by analytical organization.			
*12) Please confirm whether it is that for the specific customer to the part/material adopted division.			
8 REACH Regulation [substances of very high concern (SVHC)]*10			
enter the CAS RN or chemical substance name of the target chemical substance.			
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Revision point from ver.12.0

List of surveyed substances			
No.	Ver.12.0		Ver.13.0
	Substances		
			Remarks (Change etc.)
A1. RoHS-related Presence of banned substances in the product			
1	Hexavalent chromium compound	<	
2	Polybrominated biphenyls (PBBs)	<	
3	Polybrominated diphenyl ethers (PBDEs)	<	
A2. RoHS-related Presence of banned substances depending on application			
1	Cadmium and its compound	<	EU RoHS directive exemption *7(c)-IV* deleted due to expiration.
2	Lead and its compound	<	
3	Mercury and its compound	<	
4	Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate (DBP), Bis(butylbenzyl) phthalate (BBP), Diisobutyl phthalate (DIBP)	<	
B1. Others Presence of banned substances in the product			
1	Tributyl Tin Oxide (TBTO)	<	
2	Tri-substituted organostannic compounds	<	
3	Polychlorinated biphenyls (PCBs) and specific substitutes	<	
4	Polychlorinated naphthalenes	<	
5	Short chain chlorinated paraffin	<	
6	Asbestos	<	
7	Polychlorinated Terphenyls (PCTs)	<	
8	Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	<	
9	Hexabromocyclododecane (HBCDD)	<	
10	Cobalt dichloride	<	
11	Dimethyl fumarate	<	
12	Refractory Ceramic Fibers, Aluminosilicate	<	
13	Refractory Ceramic Fibers, Zirconia Aluminosilicate	<	
14	Dibutyltin (DBT) compounds	<	
15	Pentachloroophenol (PCTP)		Newly added
B2. Others Presence of banned substances depending on application			
1	Beryllium and its compound	<	
2	Azo colorants	<	
3	Polyvinyl Chloride and its copolymer	<	
4	Phthalates	<	
5	Radioactive substances	<	
6	Perfluorooctane sulfonate (PFOSs)	<	Some exemptions of EU POPs regulation deleted due to expiration.
7	Fluorinated greenhouse gases (HFC, PFC, SF6)	<	
8	Formaldehyde	<	
9	Perc chlorates	<	
10	Nickel	<	
11	Arsenic and its compound	<	
12	Boric acid	<	
13	Disodium tetraborate, anhydrous, Tetra boron disodium hepta oxide, hydrate	<	
14	Diocetyl tin (DOT) compounds	<	
15	Perfluorooctanoic acid (PFOA) and its salts and esters of PFOA	<	
16	Chlorinated flame retardants	<	
17	Tris (2-chloroethyl) phosphate	<	
18	Tris(2-chloro-1-methylethyl) phosphate (TCPP)	<	
19	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	<	
20	Polycyclic aromatic hydrocarbons (PAHs)	<	
21	Red phosphorus	<	
22	-	Isopropylphenyl phosphate (PIP(3:1))	Newly added
23	-	Hexachlorobutadiene (HCBD)	Newly added
24	-	2,4,6-Tris(tert-butyl)phenol (2,4,6-4,4'-isopropylidenediphenol (Bisphenol A))	Newly added
25	-	4,4'-sulfonyldiphenol (Bisphenol S)	Newly added
26	-	4,4'-sulfonyldiphenol (Bisphenol S)	Newly added
27	-	Halogenated flame retardant *5	Newly added
B3. Others Ozone-depleting substances contained in the product or used in manufacturing			
Ozone-depleting substances			<
C. For Device-Group Affiliated Company			
No.	Ver.12.0		Ver.13.0
	Substances		
			Remarks (Change etc.)
Surveyed substances required by many customers as follows:			
Like all company-wide common editions, all survey substances are restricted into three class: banned, banned depending on application, managed substances			
Presence of banned substances in the product			
1	Chemical Substances Control Law : Class I	<	
2	Chemical Substances Control Law : Class II , Monitoring Substances	<	
3	Toxic Substances Control Act : TSCA(US) Banned or restricted substances (Section 6)	<	
4	EU POPs Regulation (EC) 850/2004 ANNEX I	<	
5	Musk xylene	<	Changed managed items from total prohibition to conditional prohibition
6	Nonylphenol compounds and its ethoxylate	<	Change control number from 6 to 5
7	Anthracenes	<	Change control number from 7 to 6
8	Chlorinated paraffins: C23, 43% chlorine	<	Change control number from 8 to 6
9	Medium Chain Chlorinated Paraffins (MCCP)Group(14-19 carbons)	<	Change control number from 9 to 8
10	1,3-Dichloropropene	<	Change control number from 10 to 9
11	p-Dimethylaminoazobenzene	<	Change control number from 11 to 10
12	Hydrogen chloride	<	Change control number from 12 to 11
13	N,N'-Ethylenebis(ethiocarbamate manganese (Maneb))	<	Change control number from 13 to 12
14	1-Naphthylamine	<	Change control number from 13 to 12
Presence of banned substances depending on application			
1	REACH regulation Restricted substances	<	Changed from total prohibition to conditional prohibition
2	Antimony and its compound	<	Changed from total prohibition to conditional prohibition
3	Polyvinyl chloride	<	
4	Natural rubber	<	
5	Tetrachlorophthalic anhydride	<	Changed managed items from device-related conditional prohibition to B2 item
6	Red phosphorus	<	Changed from total baned to conditional
7	Halogen substances (Chlorine, Bromine)	<	
8	Bisphenol A	<	Changed managed items from device-related conditional prohibition to B2 item
Phthalate usage condition (process control)			
Managed substances			
1	Alkylphenol (C5-9) excluding nonylphenol	<	
2	Benzophenone	<	
3	Chromium and its Compounds excluding hexavalent chromium	<	
4	2,4-Dichlorophenol	<	
5	Ethylbenzene	<	
6	Isocyanate	<	
7	Octachlorostyrene	<	
8	Phosphorus flame retardant excluding red phosphorus	<	
9	Antimony and its compounds excluding antimony trioxide(Sb2O3)	<	Change to conditionally prohibited substance
10	REACH Regulation [Substances of very high concern (SVHC)]	<	Change control number from 10 to 9
11	Tetrabromobisphenol-A(TBBP-A)	<	Change control number from 11 to 10

[There is no need to attach this sheet]

List of main reference laws

No.	Substances	Main reference laws etc.
A1. RoHS-related Presence of banned substances in the product		
1	Hexavalent chromium compound	EU RoHS directive, EU REACH regulation Annex XVII
2	Polybrominated biphenyls (PBBs)	EU RoHS directive, EU REACH regulation Annex XVII
3	Polybrominated diphenyl ethers (PBDEs)	Japan CSCL, EU RoHS directive, EU REACH regulation Annex XVII, EU POPs regulation Annex I, USA TSCA
A2. RoHS-related Presence of banned substances depending on application		
1	Cadmium and its compound	EU RoHS directive, EU REACH regulation Annex XVII
2	Lead and its compound	EU RoHS directive, EU REACH regulation Annex XVII, USA CPSIA
3	Mercury and its compound	EU RoHS directive, EU REACH regulation Annex XVII
4	Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate (DBP), Bis(butylbenzyl) phthalate (BBP), Diisobutyl phthalate (DIBP)	EU RoHS directive/EU COMMISSION DELEGATED DIRECTIVE 2015/863, EU REACH regulation Annex XVII, USA CPSIA
B1. Others Presence of banned substances in the product		
1	Tributyl Tin Oxide (TBTO)	Japan CSCL
2	Tri-substituted organostannic compounds	Japan CSCL, EU REACH regulation Annex XVII
3	Polychlorinated biphenyls (PCBs) and specific	Japan CSCL, EU POPs regulation Annex I
4	Polychlorinated naphthalenes	Japan CSCL, EU POPs regulation Annex I
5	Short chain chlorinated paraffin	EU REACH regulation Annex XVII, EU POPs regulation Annex I
6	Asbestos	Japan Industrial Safety and Health Act, EU REACH regulation Annex XVII
7	Polychlorinated Terphenyls (PCTs)	EU REACH regulation Annex XVII
8	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-	Japan CSCL
9	Hexabromocyclododecane (HBCDD)	Japan CSCL, EU POPs regulation (EU REACH regulation) (*)
10	Cocalt dichloride	EU REACH regulation Annex XVII
11	Dimethyl fumarate	(EU REACH regulation)
12	Refractory Ceramic Fibers, Aluminosilicate	(EU REACH regulation)
13	Refractory Ceramic Fibers, Zirconia Aluminosilicate	(EU REACH regulation)
14	Dibutyltin (DBT) compounds	EU REACH regulation Annex XVII
15	Pentachlorothiophenol (PCTP)	USA TSCA
B2. Others Presence of banned substances depending on application		
1	Beryllium and its compound	-
2	Azo colorants	EU REACH regulation Annex XVII
3	Polyvinyl Chloride and its copolymer	-
4	Phthalates	EU REACH regulation Annex XVII, USA CPSIA
5	Radioactive substances	Act on Prevention of Radiation Hazards due to Radioisotopes, etc., Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors
6	Perfluorooctane sulfonate (PFOSs)	Japan CSCL, EU POPs regulation Annex I, Canadian Environmental Protection Act
7	Fluorinated greenhouse gases (HFC, PFC, SF6)	EU F-Gas Regulation(517/2014)
8	Formaldehyde	Germany Chem Verbots V, Denmark formaldehyde regulations
9	Perchlorates	USA CA Perchlorate management rules
10	Nickel	EU REACH regulation Annex XVII
11	Arsenic and its compound	(EU REACH regulation)
12	Boric acid	(EU REACH regulation)
13	Disodium tetraborate, anhydrous, Tetraboron disodium heptoxide, hydrate	(EU REACH regulation)
14	Diocetyl tin (DOT) compounds	EU REACH regulation Annex XVII
15	Perfluorooctanoic acid (PFOA) and its salts and PFOA-related substances	EU POPs regulation
16	Chlorinated flame retardants	<Sharp own forbiddance>
17	Tris (2-chloroethyl) phosphate (TCEP)	USA VT Act85, USA DC.Law 21-108/2016, (EU REACH regulation)
18	Tris(2-chloro-1-methylethyl) phosphate (TCPP)	USA VT Act85
19	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	USA VT Act85, USA DC.Law 21-108/2016
20	Polycyclic aromatic hydrocarbons (PAHs)	EU REACH regulation Annex XVII
21	Red phosphorus	<Sharp own forbiddance>
22	Isopropylphenyl phosphate (PIP(3:1))	USA TSCA
23	Hexachlorobutadiene (HCBD)	USA TSCA
24	2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	USA TSCA
25	4,4'-isopropylidenediphenol (Bisphenol A)	EU REACH regulation Annex XVII, Swiss Chemical Risk Reduction Ordinance, US CT Public Act No.11-222
26	4,4'-sulfonyldiphenol (Bisphenol S)	Swiss Chemical Risk Reduction Ordinance
27	Halogenated flame retardant *5)	EU 2019/2021 (ecodesign requirements for electronic displays)
B3. Others Ozone-depleting substances contained in the product or used in manufacturing		
1	Ozone-depleting substances	Montreal Protocol, USA Chlorofluorocarbon tax

(*) "EU REACH regulation" means the substance which was listed in Authorisation List of SVHC.

C. For Device-Group Affiliated Company		
Presence of banned substances in the product		
1	Substances subject to Chemical Substances Control Law	Chemical Substances Control Law : Class I, Class II, Monitoring Substances
2	Substances subject to TSCA	Toxic Substances Control Act: TSCA(US) Banned or restricted substances (Section 6)
3	Substances subject to POPs	EU POPs Regulation (EC) 850/2004 ANNEX I
4	Musk xylene	EU REACH regulation Annex XVII
5	Anthracenes	(EU REACH regulation) / EU REACH regulation Annex XIV
6	Chlorinated paraffins: C23, 43% chlorine	<Ban decided by Device Group>
7	Medium Chain Chlorinated Paraffins (MCCP)(Group)(14-19 carbons)	<Ban decided by Device Group>
8	1,3-Dichloropropene	<Ban decided by Device Group>
9	p-Dimethylaminoazobenzene	<Ban decided by Device Group>
10	Hydrogen chloride	<Ban decided by Device Group>
11	N,N'-Ethylenebisdiethiocarbamate manganese (Maneb)	<Ban decided by Device Group>
12	1-Naphthylamine	<Ban decided by Device Group>
Presence of banned substances depending on application		
1	REACH regulation Restricted substances.	EU REACH regulation Annex XVII
2	Antimony and its compounds	<Ban depending on application decided by Device-Group Affiliated Company>
3	Polyvinyl chloride ※	<Ban depending on application decided by Device-Group Affiliated Company>
4	Natural rubber ※	<Ban depending on application decided by Device-Group Affiliated Company>
5	Tetrachlorophthalic anhydride ※	<Ban depending on application decided by Device-Group Affiliated Company>
6	Nonylphenol compounds and its ethoxylate	<Ban depending on application decided by Device-Group Affiliated Company>
7	Halogen substances (Chlorine, Bromine)	<Ban depending on application decided by Device-Group Affiliated Company>
Presence of managed substances		
1	Alkylphenol (C5-9) excluding nonylphenol	<Managed substance decided by Device-Group Affiliated Company>
2	Benzophenone	<Managed substance decided by Device-Group Affiliated Company>
3	Chromium and its Compounds excluding hexavalent chromium	<Managed substance decided by Device-Group Affiliated Company>
4	2,4-Dichlorophenol	<Managed substance decided by Device-Group Affiliated Company>
5	Ethylbenzene	<Managed substance decided by Device-Group Affiliated Company>
6	Isocyanate	<Managed substance decided by Device-Group Affiliated Company>
7	Octachlorostyrene	<Managed substance decided by Device-Group Affiliated Company>
8	Phosphorus flame retardant excluding red phosphorus	<Managed substance decided by Device-Group Affiliated Company>
9	REACH Regulation [substances of very high concern (SVHC)]	EU-REACH Regulation
10	Tetrabromobisphenol-A	<Managed substance decided by Device-Group Affiliated Company>