

## 含有化学物质报告书(ver.15.0)时的注意点

1 本报告书由以下表单构成：

表单	内容	页码
A.RoHS	A1. 关于产品中全面禁止使用化学物质的含有情况 A2. 关于产品中根据条件禁止使用化学物质的含有情况	1/4
B.Others	B1. 关于产品中全面禁止使用化学物质的含有情况 B2. 关于产品中根据条件禁止使用化学物质的含有情况 B3. 关于产品中臭氧层破坏物质的含有情况以及制造工程中是否有使用	2/4 ~ 3/4
C.Candidate	C. 禁止使用候补物质	Candidate 4/4
A (appendix). RoHS	A2-附表	RoHS (appendix) 1/2 ~ 2/2
B (appendix). Others	B2-附表	Others (appendix) 1/3 ~ 3/3

注) 以新采用的所有部件和材料为对象。购入部件、材料时所用的包装材料也作为对象。

包装材料中含有的化学物质也请按同样的标准来判断并汇报。

但是，在夏普的据点等地废弃处理之事是明确的，不会在部件、材料中转移、混入对象物质的包装材料除外。

关于「C.禁止使用候补物质」的含有情况，请进行提交。

关于[A2-附表]、[B2-附表]，

A2、B2中含有[根据条件禁止使用的化学物质]时，请进行提交。

2 请将以下信息输入(填写)至指定位置。

表单	输入(填写)项目
A.RoHS	制作日
	公司名称·部门名称
C.Candidate	制作人
	负责人 [请签名, 或盖姓名章。]
	公司名 [请输入(填写)并盖公司章。]

3 请在[A. RoHS]表中的调查确认产品栏内, 输入(填写)以下内容。

项目	入力(記入)内容
1) 夏普部件编码	交纳的产品分摊的本公司部件编号
2) 产品名称	交纳的产品名称
3) 厂商型号	贵司交付产品的型号
4) 产品质量 [g]	交付产品的质量

4 直接在此表格内输入时,

[确认结果/Result]栏内设有下拉菜单,

请在显示清单内选择结果。

5 输入(填写)的报告书内容有变更时,

请尽快提交变更后的报告书。

制作日期 / Date (yyyy/mm/dd) \_\_\_\_\_  
公司名称 / Company Name \_\_\_\_\_  
部门名称 / Department \_\_\_\_\_

## 含有化学物质报告书(ver.15.0) / Report on Chemical Substances Contained in the Product (ver.15.0)

含有化学物质, 保证符合以下内容 /  
We report the following verified results on the chemical substances.

### 调查确认产品 / Information on surveyed product

- 1) 夏普零件编号 / Sharp Part Code \_\_\_\_\_  
2) 产品名称 / Product Name \_\_\_\_\_  
3) 生产商编号 / Manufacturer's Model Code \_\_\_\_\_  
4) 产品质量 [g] / Product Weight [g] \_\_\_\_\_

## A. RoHS相关化学物质 / RoHS-related chemical Substances

### A1. 针对全面禁止使用的化学物质在产品中的含有状况 / Presence of banned substances in the product

< 判定基准满足 / Meet criteria: "Applicable", 未满足 / Do not meet criteria: "Not Applicable" >

No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria) *1	确认结果 / Result
1	六价铬化合物 *2) / Hexavalent chromium compound *2)	含有量在1000ppm以下。但在接触皮肤的皮革产品/零部件中, 每单位皮革的合计干燥重量在3ppm以下。 / 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	聚溴联苯类 (PBB类) / Polybrominated biphenyls (PBBs)	含有量在1000ppm以下 / Content is 1000ppm or less.	< Applicable / Not Applicable >
3	溴联苯醚类 (PBDE类) / Polybrominated diphenyl ethers (PBDEs)	满足下述(1)及(2)。 (1) 所有部件、材料中的含有量在1000ppm以下。 (2) 欧盟RoHS指令的限制对象产品以外使用的部件、材料中, 成形品质量中或混合物中含有量小于500ppm。 / The following (1) and (2) are satisfied. (1) Content is 1000ppm or less in all parts/materials. (2) In the case of parts/materials used for products other than those regulated by the EU RoHS Directive, Content is less than 500ppm in the Mixture or Article.	< Applicable / Not Applicable >

\*1) 含有率的计算单位如无特别记载时为均质材料。

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

\*2) 根据EU包装指令等, 关于包装材料用零件、包装材料, 镉、铅、汞、六价铬分别在部材、油墨、涂料中的合计含有量在100ppm以下 /

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.

(注) 上述确认结果为「Not Applicable」的时候, 原则上夏普不予采用。 /

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

### A2. 附带条件禁止使用的化学物质在产品中的含有状况 / Presence of banned substances depending on application

< 判定基准满足 / Meet criteria: "Applicable", 未满足 / Do not meet criteria: "Not Applicable" >

No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria) *1	确认结果 / Result
1	镉及其化合物 *2) / Cadmium and its compound *2)	含有量在100ppm以下。另外, 关于电池须符合EU电池指令 (2006/66/EC, 2013/56/EU) / Content is 100ppm or less. Regarding batteries, complying with the EU Battery Directive (2006/66/EC, 2013/56/EU).	< Applicable / Not Applicable >
2	铅及其化合物 *2) / Lead and its compound *2)	完全满足下述(1)~(4)。 (1) 塑料类时, 含量在300ppm以下。 (2) 电池时, 符合EU电池指令(2006/66/EC, 2013/56/EU)。 (3) 用于玩具和儿童用品时, 不属于在A2-别表的2的(1)及(2)中所记载的禁止使用标准 / (4) 在上述(1)~(3)之外时, 含量在1000ppm以下 / 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	汞及其化合物 *2) / Mercury and its compound *2)	含有量在1000ppm以下。另外, 关于电池须符合EU电池指令 (2006/66/EC, 2013/56/EU) / Content is 1000ppm or less. Regarding batteries, complying with the EU Battery Directive (2006/66/EC, 2013/56/EU).	< Applicable / Not Applicable >
4	邻苯二甲酸(2-乙基己基酯)(DEHP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二异丁酯(DIBP) *3) / Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate (DBP), Bis(butylbenzyl) phthalate (BBP), Diisobutyl phthalate (DIBP) *3)	4种物质(DEHP, DBP, BBP, DIBP)的总含量, 在1000ppm以下 / Total content of 4 substances (DEHP, DBP, BBP, DIBP) is 1000ppm or less.	< Applicable / Not Applicable >

\*1) 含有率的计算单位如无特别记载时为均质材料。

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

\*2) 根据EU包装指令等, 关于包装材料用零件、包装材料, 镉、铅、汞、六价铬分别在部材、油墨、涂料中的合计含有量在100ppm以下 /

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) 4种邻苯二甲酸酯(DEHP, BBP, DBP, DIBP)主要用作软质树脂的可塑剂, 具有通过接触可从其他成形品移动的性质(转移性)。

由于具有从包装材料向零部件、材料转移的可能性, 因此对于零部件、材料送货时的包装材料, 也须按同样的标准进行判断并提交报告。 /

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).

判定标准的确认结果为「Not Applicable」情形时, A2-附录中描述并添加了可否使用的判定 /

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

B. 其它 / Others

B1. 针对全面禁止使用的化学物质在产品中的含有状况 / Presence of banned substances in the product

< 判定基准满足 / Meet criteria: "Applicable", 未满足 / Do not meet criteria: "Not Applicable" >

No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria) *1)	确认结果 / Result
1	三丁基锡=环氧 (TBTO) / Tributyl Tin Oxide (TBTO)	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
2	三取代有机锡化合物 / Tri-substituted organotin compounds	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
3	多氯联苯类 (PCB类)、及特定的替代物质 / Polychlorinated biphenyls (PCBs) and specific substitutes	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
4	多氯化萘 / Polychlorinated naphthalenes	非特意添加 (氯素数1~8为对象) / Not intentionally added. (Chlorine atom 1-8 are subject to the regulation.)	< Applicable / Not Applicable >
5	短链型氯石蜡 (SCCP, C:10-13) / Short chain chlorinated paraffin (SCCP, C:10-13)	非特意添加, 且在成型品质量中含有量在1000ppm以下 / Content is less than 1000ppm and Not intentionally added.	< Applicable / Not Applicable >
6	石棉类 / Asbestos	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
7	多氯三联苯类 (PCT类) / Polychlorinated Terphenyls (PCTs)	非特意添加, 且含有量在50ppm以下 / Content is 50ppm or less and Not intentionally added.	< Applicable / Not Applicable >
8	2-(2H-1,2,3-苯并三氮唑-2-基)-4,6-二叔丁基苯酚 / Phenol-2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
9	六溴环十二烷 (HBCDD) / Hexabromocyclododecane (HBCDD)	非特意添加, 且含有量在100ppm以下 / Content is 100ppm or less and Not intentionally added.	< Applicable / Not Applicable >
10	氯化钴 / Cobalt dichloride	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
11	富马酸二甲酯 / Dimethyl fumarate	非特意添加, 且含有量在0.1ppm以下 / Content is 0.1ppm or less and Not intentionally added.	< Applicable / Not Applicable >
12	铝硅酸盐, 耐火陶瓷纤维 / Refractory Ceramic Fibers, Aluminosilicate	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
13	氧化锆硅酸盐, 耐火陶瓷纤维 / Refractory Ceramic Fibers, Zirconia Aluminosilicate	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
14	二丁基锡 (DBT) 化合物 / Dibutyltin (DBT) compounds	材料中的锡的含有量在1000ppm以下 / Content is 1000ppm or less by weight of tin in a material.	< Applicable / Not Applicable >
15	五氯代苯硫酚 (PCTP) / Pentachlorothiophenol (PCTP)	含有量在1wt%以下 / Content is 1wt% or less.	< Applicable / Not Applicable >
16	含9到14个碳原子的全氟羧酸 (C9-C14 PFCA), 其盐类和 C9-C14 PFCA 相关物质 Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain (C9-C14 PFCA), their salts and C9-C14 PFCA-related substances	在成型品质量中或混合物中, 满足下面(1)及(2)。 (1) 对C9-C14 PFCA及其盐类, C9-C14 PFCA及其盐类的合计小于 25ppb (0.025ppm)。 (2) 对C9-C14 PFCA相关物质, C9-C14 PFCA相关物质的合计小于 260ppb (0.26ppm)。 The following (1) and (2) are to be satisfied in the Mixture or Article. (1) The sum of C9-C14 PFCA and their salts: Content is less than 25ppb (0.025ppm). (2) The sum of C9-C14 PFCA-related substances: Content is less than 260 ppb (0.26ppm).	< Applicable / Not Applicable >
17	全氟己基磺酸 (PFHxS), 其盐类和PFHxS相关物质 Perfluorohexane-1-sulphonic acid (PFHxS), its salts and PFHxS-related substances	在成型品质量中或混合物中, 满足下面(1)及(2)。 (1) 对PFHxS及其盐类, PFHxS及其盐类的合计在 0.000025% (25ppb) 以下。 (2) 对PFHxS相关物质, PFHxS相关物质的合计在 0.0001% (1000ppb) 以下。 The following (1) and (2) are to be satisfied in the Mixture or Article. (1) The sum of PFHxS and their salts: Content is 0.000025% (25ppb) or less. (2) The sum of PFHxS-related substances: Content is 0.0001% (1000ppb) or less.	< Applicable / Not Applicable >
18	Dechlorane plus 及其顺式异构体和反式异构体 / Dechlorane plus and its syn-isomer and anti-isomer	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
19	MOAH (由不少于1个和不多于7个芳香环组成的矿物油芳香碳氢化合物) ※ 右记(2)在2024年7月1日以后禁止交货 / MOAH (Aromatic hydrocarbons of mineral oil comprising from 1 to 7 aromatic rings) ※ In (2) on the right, delivery prohibited after 1st July 2024.	(1) 以全部包装材料为对象, 在油墨中合计含有量在1%以下。 (2) 以全部包装材料及全部印刷物为对象, 在油墨中合计含有量在0.1%以下 / (1) Total content in the ink is 1% or less for all packaging. (2) Total content in the ink is 0.1% or less for all packaging and printing.	< Applicable / Not Applicable >
20	MOAH (由不少于3个和不多于7个芳香环组成的矿物油芳香碳氢化合物) ※ 2024年7月1日以后禁止交货 / MOAH (Aromatic hydrocarbons of mineral oil comprising from 3 to 7 aromatic rings) ※ Delivery prohibited after 1st July 2024.	以全部包装材料及全部印刷物为对象, 在油墨中合计含有量在1ppm以下 / Total content in the ink is 1ppm or less for all packaging and printing.	< Applicable / Not Applicable >
21	MOSH (由不少于16个和不多于35个碳原子组成的矿物油饱和碳氢化合物) ※ 2024年7月1日以后禁止交货 / MOSH (Saturated hydrocarbons of mineral oil comprising from 16 to 35 carbon atoms) ※ Delivery prohibited after 1st July 2024.	以全部包装材料及全部印刷物为对象, 在油墨中合计含有量在0.1%以下 / Total content in the ink is 0.1% or less for all packaging and printing.	< Applicable / Not Applicable >

\*1) 含有率的计算单位如无特别记载时为均质材料。

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

(注) 上述确认结果为「Not Applicable」的时候, 原则上夏管不予采用。

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

B2. 附带条件禁止使用的化学物质在产品中的含有状况 / Presence of banned substances depending on application

< 判定基准满足 / Meet criteria: "Applicable", 未满足 / Do not meet criteria: "Not Applicable" >

No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria) *1)	确认结果 / Result
1	铍及其化合物 / Beryllium and its compound	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
2	偶氮染料·颜料 / Azo colorants	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
3	聚氯乙烯及其共聚物 / Polyvinyl Chloride and its copolymer	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
4	RoHS相关的4种邻苯二甲酸酯物质以外的邻苯二甲酸酯类 / Phthalates other than the four4 RoHS-related Phthalates.	下面以外的邻苯二甲酸酯类, 总含量在1000ppm以下。 邻苯二甲酸(2-乙基己基酯) (DEHP)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二异丁酯 (DIBP) / 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	放射性物质 / Radioactive substances	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >

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No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria) *1)	确认结果 / Result
6	全氟辛酸磺酸盐 (PFOS) *2) / Perfluorooctane sulfonate (PFOSs) *2)	非有意添加且为物质和混合物的, 含量为10ppm以下; 物质和混合物以外的半成品、成形品等, 含量为1000ppm以下; 涂层材料的含量为1µg/m <sup>2</sup> 以下。 / 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 <sup>2</sup> or less.	< Applicable / Not Applicable >
7	氟系温室效应气体 (HFC/PFC/SF6) / Fluorinated greenhouse gases (HFC, PFC, SF6)	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
8	甲醛 / Formaldehyde	木制零件: 大气中浓度在0.1ppm以下(腔室法), 塑料/纤维等: 含有量在75ppm以下 / Wood component: atmospheric concentration is 0.1ppm or less (by the chamber method), Plastics/fibers: content is 75ppm or less.	< Applicable / Not Applicable >
9	过氯酸盐 / Perchlorates	非特意添加 (只有电池为调查对象。电池以外无需回答) / Not intentionally added. (Only battery is targeted by this survey. No response is necessary except battery)	< Applicable / Not Applicable >
10	镍及其化合物 / Nickel and its compound	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
11	砷及其化合物 / Arsenic and its compound	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
12	硼酸 / Boric acid	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
13	无水四硼酸, 七水合四硼酸钠 / Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
14	二辛基锡 (DOT) 化合物 / Diocetyl tin (DOT) compounds	材料中的锡的含有量在1000ppm以下 / Content is 1000ppm or less by weight of tin in a material.	< Applicable / Not Applicable >
15	氟硼酸 (PFOA) 及其氟及PFOA关联物质 *3) / Perfluorooctanoic acid (PFOA) and its salts and PFOA-related substances *3)	在成型品质量中或混合物中, 满足下面(1)及(2)。 / (1) 对PFOA(含盐类), 在25ppb 以下。 / (2) 对1种或多种PFOA相关物质的组合, 浓度合计在1000ppb (1ppm) 以下 / The following (1) and (2) are to be satisfied in the Mixture or Article. (1) PFOA (including its salt): Content is 25ppb or less. (2) Combination of one or multiple PFOA-related substances: Total content is 1000ppb (1ppm) or less.	< Applicable / Not Applicable >
16	氯化系阻燃剂 / Chlorinated flame retardants	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
17	卤素化合物(卤素阻燃剂等) / Halogenated compound (Halogenated flame retardant etc.)	满足下述(1)及(2)。 / (1) 非有意添加卤化阻燃剂。 / (2) 用于B2-附表中17(1)所示用途的情形, 均质材料中的所有卤素元素的合计含有量在0.1wt%以下 / The following (1) and (2) are to be satisfied (1) Halogenated flame retardants are Not intentionally added. (2) In the case used for (1) in 17 of B2-Appendix, total content of all halogen elements in the homogeneous material is 0.1wt% or less.	< Applicable / Not Applicable >
18	磷酸三(2-氯乙基)酯 (TCEP) / Tris (2-chloroethyl) phosphate (TCEP)	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
19	磷酸三(1-甲基-2-氯乙基)酯 (TCPP) / Tris(2-chloro-1-methylethyl) phosphate (TCPP)	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
20	磷酸三(1,3-二氯-2-丙基)酯 (TDCPP) / Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	非特意添加, 且含有量在1000ppm以下 / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
21	多环芳族碳氢化合物 (PAH) / Polycyclic aromatic hydrocarbons (PAHs)	对象PAH *4) 含有量均不超过1ppm / Content is less than 1ppm regarding target PAHs *4).	< Applicable / Not Applicable >
22	红磷 / Red phosphorus	非有意添加, 且含量不超过1000ppm / Content is 1000ppm or less and Not intentionally added.	< Applicable / Not Applicable >
23	异丙基苯酚磷酸酯 (PIP(3:1)) / Isopropylphenyl phosphate (PIP(3:1))	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
24	1,1,2,3,4,4-六氯-1,3-丁二烯 (HCBDD) / Hexachlorobutadiene (HCBDD)	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
25	2,4,6-三(1,1-二甲基乙基)苯酚 (2,4,6-TTBP) / 2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >
26	双酚A / 4,4'-isopropylidenediphenol (Bisphenol A)	含量小于0.02wt% / Content is less than 0.02wt%.	< Applicable / Not Applicable >
27	双酚S / 4,4'-sulfonyldiphenol (Bisphenol S)	含量小于0.02wt% / Content is less than 0.02wt%.	< Applicable / Not Applicable >
28	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328) / 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328)	非特意添加 / Not intentionally added.	< Applicable / Not Applicable >

\*1) 含有率的计算单位如无特别记载时为均质材料。

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

\*2) 关于“全氟辛酸磺酸及其盐”, 范围包含以下CAS No.为对象。(1763-23-1, 307-35-7, 29457-72-5, 2795-39-3) /

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) 以下CAS No.物质的总含量。(335-67-1, 3825-26-1, 335-95-5, 2395-00-8, 335-93-3, 335-66-0, 376-27-2, 3108-24-5) /

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) 范围包括以下CAS No.为对象。(50-32-8, 192-97-2, 56-55-3, 218-01-9, 205-99-2, 205-82-3, 207-08-9, 53-70-3) /

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).

判定标准的确认结果为[Not Applicable]情形时, B2-附表中描述并添加了可否使用的判定 /

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

**B3. 臭氧层破坏物质的产品中是否含有, 以及在制造工程中是否使用 /**  
Ozone-depleting substances contained in the product or used in manufacturing

< 判定基准满足 / Meet criteria: "Applicable", 未满足 / Do not meet criteria: "Not Applicable" >

No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria)	确认结果 / Result
1	臭氧层破坏物质 Ozone-depleting substances (蒙特利尔议定书Class I, II为对象) / (regulated by the Montreal Protocol (Class I and II)) *1)	(1) 非特意添加 / Not intentionally added. (2) 产品中使用电路板 / Using printed wiring boards (PWBs) in the product (3) 清洗工程中不使用(仅在(2)项确认结果是YES时回答) (即便适用"Not Used"=清洗工程中不使用"时, 关于需要清洗工程的部分, 请输入清洗剂或清洗方法) / 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.)  清洗液: / Rinse solution: 清洗方法: / Rinse method:	< Applicable / Not Applicable > < Yes / No > < Used / Not Used >

\*1) 关于臭氧层破坏物质, CFC, 1,1,1-三氯乙烷, 四氯化碳, 溴甲烷, 溴氯甲烷, 二氯二氟甲烷, HBCF, 和HCFC为对象 /

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

(注) 上述确认结果为[Not Applicable]或[Used]的时候, 重复不可采用 /

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

**C. 禁止使用候补物质 / Candidate substances to be banned**

**C1. 关于产品中含有禁止使用的候补化学物质 /**

Presence of candidate substances to be banned in the product

请在下表中回答「禁止使用候补物质」的含有情况 /

Please reply the content status of "Candidate substances to be banned" in the table below.

**「禁止使用候补物质」的说明 / Explanation of "Candidate substances to be banned":**

是夏普禁止使用物质的候补物质, 请推进替代化 /

Sharp's "Candidate substances to be banned", so please promote substitution.

• 预计在不远的将来, 国内外法律法规将禁止使用的物质 /

Substances that are expected to be banned in the near future under domestic and foreign laws and regulations.

• 法律法规中无限值、禁止日、限值用途(豁免用途)等规定, 因此目前无法明确列为夏普禁止使用物质,

但根据法律法规动向, 今后将列为夏普禁止使用物质。 /

Since the threshold value, prohibited date, regulated use (excluded use), etc. have not been determined in the laws and regulations,

it cannot be specified as Sharp's "Candidate substances to be banned" at this time,

but in the future based on the trends of laws and regulations, etc. Specify for Sharp's "Candidate substances to be banned".

• 根据法律法规确定的时机, 可能无法设定从列入夏普禁止使用物质到禁止供货日的过渡期,

因此如果含有, 请尽快推进替代化 /

Depending on the timing when laws and regulations are finalized, it may not be possible to set a grace period from the designation

as Sharp's "Banned substances" to the delivery prohibition date, so if it is contained, please proceed with the substitution as soon as possible.

下表中No.1~5请选择"Applicable"或"Not Applicable" / Select from "Applicable" or "Not Applicable" for No.1 to 5 in the table below.

< 判定基准满足 / Meet criteria: "Applicable", 未满足 / Do not meet criteria: "Not Applicable", 含有情况不明 / Content status unknown: "Not clear" >>

No.	化学物质名称 / Substances	详细内容(判定标准) / Check point (Criteria) *1	确认结果 / Result
1	十溴二苯乙烷 (DBDPE) / 1,2-Bis(2,3,4,5,6-pentabromophenyl)ethane (DBDPE)	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable >
2	四溴双酚A (TBBPA) / Tetrabromobisphenol A (TBBPA)	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable >
3	中链氯化石蜡 (MCCPs, C14-17, 氯化率 45wt% 以上) / Medium Chain Chlorinated paraffins (MCCPs, C14-17, chlorination levels at or exceeding 45% chlorine by weight)	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable >
4	含15到21个碳原子的全氟羧酸(C15-C21 PFCAs)、其盐类和C15-C21 PFCAs相关物质 / Perfluorocarboxylic acids containing 15 to 21 carbon atoms in the chain (C15-C21 PFCAs), their salts and C15-C21 PFCA-related substances	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable >
5	被指定为chemSHERPA最新版的管理对象物质的全氟烷基和多氟烷基物质 (PFAS) *2 / Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS), which is designated as a declarable substance in the latest version of chemSHERPA *2	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable >

下表中No.6~8请选择 "Applicable", "Not Applicable" 或 "Not clear" /

Select from "Applicable", "Not Applicable" or "Not clear" for No.6 to 8 in the table below.

6	上述No.5以外的全氟烷基和多氟烷基物质 (PFAS) / Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) other than No.5 above	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable / / Not clear >
7	全氟己酸 (PFHxA)、其盐类和PFHxA相关物质 / Perfluorohexanoic acid (PFHxA), its salts and PFHxA-related substances	在成形品质量中或混合物中, 满足下述(1)以及(2)。 (1) 对PFHxA及其盐类, PFHxA及其盐类的合计 小于0.0000025% (25ppb)。 (2) 对PFHxA相关物质, PFHxA相关物质的合计 小于0.0001% (1000ppb)。 The following (1) and (2) are to be satisfied in the Mixture or Article. (1) The sum of PFHxA and their salts: Content is less than 0.0000025% (25ppb) (2) The sum of PFHxA-related substances and their combinations: Content is less than 0.0001% (1000ppb).	< Applicable / / Not Applicable / / Not clear >
8	双酚类 (双酚A、双酚S除外) *3 / Bisphenols (excluding Bisphenol A and Bisphenol S) *3	非特意添加 / Not intentionally added.	< Applicable / / Not Applicable / / Not clear >

**(注) 对上述「禁止使用候补物质」的确认结果, 事业部可能会另行详细确认 /**

**Note) Regarding the Result of the above "Candidate substances to be banned", the details may be confirmed separately from our business division.**

\*1) 含有率的计算单位如无特别记载时为均质材料。

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

\*2) 关于chemSHERPA, 请参照chemSHERPA主页 (<https://chemsherpa.net/english>)。

截至本报告书发行时间点 (2023年10月) 为止, chemSHERPA的最新版是Ver.2.08。

被指定为chemSHERPA Ver.2.08管理对象物质的PFAS, 被收录在IEC62474的Declarable Substances List (DSL)、Reference Substances List (RSL)

或Global Automotive Declarable Substance List (GADSL)。

Please refer to the chemSHERPA website (<https://chemsherpa.net/english>) for chemSHERPA.

The latest version of chemSHERPA is Ver.2.08 at the time of issuance of this report (Oct. 2023).

PFAS, which is designated as a declarable substance in chemSHERPA Ver.2.08, is listed in the IEC62474 Declarable Substances List (DSL), Reference Substances List (RSL),

or Global Automotive Declarable Substances List (GADSL).

\*3) 请将双酚A、双酚S作为B2.有条件禁止使用物质进行报告。 /

Report Bisphenol A and Bisphenol S as "B2. Presence of banned substances depending on application".

制作人 / Writer

负责人 / Responsible Person

公司名称 / Company Name

请签名, 或盖姓名章

请输入 (填写) 并盖公司章

**A2-附表/A2-Appendix**

关于「Not Applicable」的项目，第A2项的确认结果，根据下记的判定基准「关于EU RoHS指令的适用除外期限，对于向夏普的交货禁止日的想法」确认结果，该项目的「确认结果」栏里以(X)表示。/ Regarding items whose confirmatory result are "Not Applicable" in clause A2, "X" are entered in the result column as the result of the confirmation pursuant to the criteria.

**关于EU RoHS指令的适用除外期限，对于向夏普的交货禁止日的想法 / The SHARP's policy of delivery dates to SHARP and EU RoHS exemption's due date.**

1) 原则上，将RoHS适用除外期限的半年之前作为向夏普的交货禁止日 / In principle, SHARP set up delivery prohibition date to SHARP as "six month" before the due date of EU RoHS exemption.  
 例) RoHS指令的适用除外期限为"2021年7月21日"时，向夏普的交货禁止日为"2021年1月21日" / Example) If the deadline of RoHS Exemption is "21 July 2021," the delivery prohibition date to SHARP is "21 Jan. 2021".

2) 如果本报告书发行后法律规定的适用除外期限发生变更，原则上将已发生变更的期限的半年之前作为向夏普的交货禁止日。 / 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) 基于本报告书发行时(2023年10月)的EU RoHS指令的适用除外期限的信息。 / It is based on information on the exemption deadline of the EU RoHS Directive at the time of issuance of this report (Oct. 2023).

化学物质名称 / Substances	No.	确认内容(判定标准) / Check point (Criteria)	RoHS除外 / RoHS Exemption *1)	确认结果 / Result	
<b>1 镉及其化合物 / Cadmium and its compound</b>					
禁止使用 / Banned	(1)	用于下述(2)~(5)以外的情况 Used in every application other than the following (2)-(5).	-	-	
	可以使用 / Usable	(2)	使用在电气连接点中 [EU适用除外更新审议中]*2 / Used for electrical contacts [Under deliberation for exemption renewal in EU]*2 (a) 电路断路器 / Circuit breakers (b) 热感知控制 / Thermal sensing controls (c) 热马达和保护器(密封型热马达和保护器除外) / Thermal motor protectors (excluding hermetic thermal motor protectors) (d) 以下额定的AC开关 / AC switches rated at AC 250V以上时6A以上, 或AC125V以上时12A以上 / 6A and more at 250V AC and more, or 12A and more at 125V AC and more (e) 在DC 18V以上时, 20A以上的额定的DC开关 / DC switches rated at 20A and more at 18V DC and more (f) 在200Hz以上的电压源频率时使用的开关 / Switches for use at voltage supply frequency ≥ 200 Hz	8(b)-I	-
		(3)	使用在有色滤光片玻璃中。但是, 不含EU RoHS指令 附件III的第39项的用途 [EU适用除外更新审议中]*2 / 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)	使用在光学应用上所使用的白色玻璃 [EU适用除外更新审议中]*2 / Used in white glass used for an optical purpose [Under deliberation for exemption renewal in EU]*2	13(b)-(III)	-
		(5)	用于上述以外的EU指令中规定的豁免用途, 须经采用部门的许可。 / Using exemptions listed in EU RoHS directive other than above and having permission from adoption decision.	-	-
			EU RoHS指令 附录No. / EU RoHS directive Annex No. : RoHS豁免用途No. / RoHS Exemption No. :	-	< AnnexIII / AnnexIV >
<b>2 铅及其化合物 / Lead and its compound</b>					
禁止使用 / Banned	(1)	用于12岁以下儿童的产品, 每单位外装零部件含铅超过0.01wt%以上 / Used in products for children 12 and under, containing lead exceeding 0.01wt% per armored part.	-	-	
	(2)	用于玩具的零件、材料中, 在涂饰等的表面处理层每单位使用量在0.009%以上 / Used in parts/material used in toys, containing lead above 0.009% per surface treatment layer such as coating.	-	-	
	(3)	用于下述(4)~(13)以外的情况 / Used in every application other than the following (4)-(13).	-	-	
	可以使用 / Usable	(4)	用于高熔点焊锡(铅为85wt%以上的焊锡)中 [EU适用除外更新审议中]*2 / 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)	用于电子电气零部件的电容器内的绝缘陶瓷以外的玻璃中或陶瓷中(例如 压电装置), 或者以玻璃或陶瓷为母材的化合物中 [EU适用除外更新审议中]*2 / 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)	用于荧光管的玻璃(0.2wt%以下) [EU适用除外更新审议中]*2 / Used less than 0.2% by weight in glass of fluorescent tubes. [Under deliberation for exemption renewal in EU]*2	5(b)	-
		(7)	含有作为合金元素 / Contained as an alloying element		
			(a) 机械加工用途的钢材中少于0.35wt% [EU适用除外更新审议中]*2 / 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) 机械加工用途的铝材中少于0.4wt% [EU适用除外更新审议中]*2 / Used less than 0.4% by weight in aluminum alloy for machining purposes [Under deliberation for exemption renewal in EU]*2	6(b)-II	-
		(c) 铜材中少于4wt% [EU适用除外更新审议中]*2 / Used less than 4% by weight in copper alloy [Under deliberation for exemption renewal in EU]*2	6(c)	-	
		(8)	在至少符合下面标准之一的集成电路倒装片(flip tip)中用于在半导体芯片与载体之间形成可靠连接所用焊料中 [EU适用除外更新审议中]*2 / 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 (a) 90纳米半导体技术节点以上的尺寸 / A semiconductor technology node of 90 nm or larger (b) 在任何半导体技术节点中单一芯片尺寸在300mm2以上 / A single die of 300 mm2 or larger in any semiconductor technology node (c) 有300mm2以上的芯片, 或有300mm2以上的硅插入器的堆栈式芯片封装 / Stacked die packages with die of 300 mm2 or larger, or silicon interposers of 300 mm2 or larger	15(a)	-
		(9)	用于光学应用上所使用的白色玻璃 [EU适用除外更新审议中]*2 / Used in white glass used for an optical purpose [Under deliberation for exemption renewal in EU]*2	13(a)	-
		(10)	用于离子色滤光片玻璃 [EU适用除外更新审议中]*2 / Used in ion coloured optical filter glass types [Under deliberation for exemption renewal in EU]*2	13(b)-(I)	-
(11)	用于反射标准物质用的釉 [EU适用除外更新审议中]*2 / Used in glazes used for reflectance standards [Under deliberation for exemption renewal in EU]*2	13(b)-(III)	-		
(12)	用于额定电压为AC125V或者DC250V或者更高的电容器中使用的介电陶瓷中 [EU适用除外更新审议中]*2 / 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)	用于上述以外的EU指令中规定的豁免用途, 须经采用部门的许可。 / Using exemptions listed in EU RoHS directive other than above and having permission from adoption decision.	-	-		
	EU RoHS指令 附录No. / EU RoHS directive Annex No. : RoHS豁免用途No. / RoHS Exemption No. :	-	< AnnexIII / AnnexIV >		

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化学物质名称 Substances	No.	确认内容(判定标准) / Check point (Criteria)	RoHS除外 RoHS Exemption *1)	确认结果 Result	
<b>3 汞及其化合物 / Mercury and its compound</b>					
禁止使用 Banned	(1)	用于下述(2)~(6)以外的情况 Used in every application other than the following (2)-(6).	-		
	可以使用 Usable	(2)	用于金属卤化灯(MH)中 [2026年8月24日起禁止使用] Used in metal halide lamps (MH). [Expires on 24 Aug. 2026]	4(e)	
		(3)	用于EU RoHS指令(2011/65/EU)附录III的4(f)中规定的特殊用途的放电灯 [2024年8月24日起禁止使用] Used in other discharge lamps for special purposes specified in of EU RoHS directive Annex III 4(f)-I (2011/65/EU). [Expires on 24 Aug. 2024]	4(f)-I	
		(4)	要求输出在2000 ANSI流明以上的投影仪中使用的高压汞蒸汽灯中的汞 [2026年8月24日起禁止使用] Mercury in high pressure mercury vapour lamps used in projectors where an output ≥ 2000 lumen ANSI is required [Expires on 24 Aug. 2026]	4(f)-II	
		(5)	放射紫外光谱的灯中的汞 [2026年8月24日起禁止使用] Mercury in lamps emitting light in the ultraviolet spectrum [Expires on 24 Aug. 2026]	4(f)-IV	
		(6)	用于上述以外的EU指令中规定的豁免用途, 须经采用部门的许可。 Using exemptions listed in EU RoHS directive other than above and having permission from adoption decision.	-	
		EU RoHS指令 附录No. / EU RoHS directive Annex No. :	-	< AnnexIII / AnnexIV >	
		RoHS豁免用途No. / RoHS Exemption No. :	-		
<b>4 邻苯二甲酸(2-乙基己基酯)(DEHP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二异丁酯(DIBP) / Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate (DBP), Bis(butylbenzyl) phthalate (BBP), Diisobutyl phthalate (DIBP)</b>					
禁止使用 Banned	(1)	用于下述(2)以外的情况 Used in every application other than the following (2).	-		
	可以使用 Usable	(2)	用于“EU RoHS指令的限制对象”且为“玩具或育儿用以外”产品的零部件/原材料中, DEHP、DBP、BBP、DIBP的含量, 各自在1000ppm以下 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) 适用于 EU RoHS指令(2011/65/EU)以外的号码

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

\*2) 欧盟(EU)受理了通用范围之外的延长申请, 本报告书发行时刻(2023年10月)正在审议中。审议中该通用除外有效。在决定了期限的情况下, 该期限的半年前为禁止向夏普供货的日期。/

An application for extension of exemption was accepted in the EU, and it is under deliberation at the time of issuance of this report (Oct. 2023).

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

B2-別表 / B2-Appendix

关于「Not Applicable」的项目，第B2项的确认结果，遵循下記判定基准确认结果，该当项目的「确认结果」栏里以(X)表示 /

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.

化学物质名称 / Substances	No.	确认内容(判定标准) / Check point (Criteria)	确认结果 / Result
1 铍及其化合物 / Beryllium and its compound			
禁止使用 / Banned	(1)	铍氧化物 / Using Beryllium oxide.	
	(2)	用于下述(3)以外的情况 / Used in the other than the following (3).	
可以使用 / Usable	(3)	用在豁免对象零件中 / Used in the exception items.	
	(a)	用于合金 / Alloy	
	(b)	用于陶瓷 / Ceramics	
	(c)	用于玻璃 / Glass	
	(d)	用于半导体 / Semiconductor	
2 偶氮染料·颜料 / Azo colorants			
禁止使用 / Banned	(1)	与人体长期接触为目的设计制作的产品(例:电热毯、耳机、背带等)的人体接触部分,在分解时有可能产生超过30ppm致癌胺的物品 / 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 decomposed.	
可以使用 / Usable	(2)	用于上述(1)以外的情况(用于不长时间接触人体的部位) / Used in every application other than the above (1). (Used in a part which does not continuously contact with human body)	
3 聚氯乙烯及其共聚物 / Polyvinyl Chloride and its copolymer			
禁止使用 / Banned	(1)	用于包装材料·零件(对象为夏普产品捆包用途)中 / Used in packaging material and packaging part for Sharp product.	
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).	
4 RoHS相关的4种邻苯二甲酸酯物质以外的邻苯二甲酸酯类 / Phthalates other than the four RoHS related Phthalates.			
禁止使用 / Banned	(1)	在用于儿童之口的玩具或育儿产品的零部件/原材料中,使用了邻苯二甲酸二异壬酯: DINP、邻苯二甲酸二异癸酯: DIDP、邻苯二甲酸二正辛酯: DNOP(合计超过1000ppm) / 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).	
可以使用 / Usable	(2)	在不符合上述(1)的条件下使用 / Used under conditions that do not correspond to (1) above.	
5 放射性物质 / Radioactive substances			
禁止使用 / Banned	(1)	用于下述(2)~(3)以外的情况 / Used in the other than the following (2)-(3).	
可以使用 / Usable	(2)	微波炉的磁控管上使用了钍 / Using "Thorium" in the magnetron of a microwave oven.	
	(3)	液晶投影仪的灯泡中使用了氪85 / Using "Krypton 85" in the electric bulb for a LCD projector.	
6 全氟辛烷磺酸盐(PFOS) / Perfluorooctane sulfonate (PFOSs)			
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).	
可以使用 / Usable	(2)	作为非装饰用的硬质镀铬(VI)用的防雾剂,及电镀用装置中使用的湿润剂使用 / Used in mist suppressants for hard chrome plating, and moistening agent used in equipment for plating.	
7 氟系温室效应气体(HFC/PFC/SF6) / Fluorinated greenhouse gases (HFC, PFC, SF6)			
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).	
可以使用 / Usable	(2)	使用于作为制冷/热绝缘的HFC / Use for the refrigerant and/or the thermal insulator (HFC only).	
8 甲醛 / Formaldehyde			
禁止使用 / Banned	(1)	用于木制零件中 / Used in wooden parts.	
	(2)	使用在以持续接触人体为前提制作的产品(例:电热毯·耳机·皮带等)的接触人体的部分 / 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.)	
可以使用 / Usable	(3)	用于上述(1)~(2)以外的情况 / Used in the other than the above (1)-(2).	
9 过氧酸盐 / Perchlorates			
可以使用 / Usable	(1)	各电池中的重量比在6ppb以上(在说明书中必须写注意文) / Contained above 6ppb by weight per battery. (Necessary to caution on operation manual)	
	(2)	各电池中的重量比未满足6ppb / Contained less than 6ppb by weight per battery.	
10 镍及其化合物 / Nickel and its compound			
禁止使用 / Banned	(1)	用于长时间接触皮肤的部分 / Used in parts which continuously contact with human skin for a long time.	
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).	

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化学物质名称 / Substances	No.	确认内容 (判定标准) / Check point (Criteria)	确认结果 / Result	
<b>11 砷及其化合物 / Arsenic and its compound</b>				
禁止使用 / Banned	(1)	使用五氧化二砷 / Using Diarsenic Pentoxide		
	(2)	用于下述(3)~(4)以外的情况 / Used in the other than the following (3)-(4).		
	可以使用 / Usable	(3)	用于液晶投影仪的灯泡的玻璃中(三氧化二砷) / Used in the lamp of LCD projector. (Diarsenic trioxide)	
		(4)	用于豁免对象零件中 / Used for the exception items.	
		(a)	用于半导体 / Semiconductor	
		(b)	用于感光剂 / Resist	
(c)		用于磁性过滤器 / Magnet filter		
	(d)	用于铜箔 / Copper foil		
	(e)	用于电池 / Battery		
<b>12 硼酸 / Boric acid</b>				
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).		
可以使用 / Usable	(2)	用于如下用途 / Used for applications below;		
	(a)	偏光板(PVA制) / Polarizers (made of PVA)		
	(b)	玻璃 / Glass		
	(c)	粘着剂 / Adhesive agent		
<b>13 无水四硼酸钠, 七水合四硼酸钠 / Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate</b>				
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).		
可以使用 / Usable	(2)	用于如下用途 / Used for applications below;		
	(a)	偏光板(PVA制) / Polarizers (made of PVA)		
	(b)	玻璃 / Glass		
	(c)	粘着剂 / Adhesive agent		
	(d)	纤维 / Fiber		
<b>14 二辛基锡(DOT)化合物 / Dioctyltin (DOT) compounds</b>				
禁止使用 / Banned	(1)	双组份室温硬化型铸件配套元件(RTV-2铸件配套元件) / Used for two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits).		
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).		
<b>15 全氟辛酸(PFOA)及其盐类和PFOA关联物质 / Perfluorooctanoic acid (PFOA) and its salts and PFOA-related substances</b>				
禁止使用 / Banned	(1)	用于下述(2)~(4)以外的情况 / Used in the other than the following (2)-(4).		
可以使用 / Usable	(2)	用于半导体用光刻工艺或复合型半导体用蚀刻工艺 / Used in photo-lithography processes for semiconductors or in etching processes for compound semiconductors		
	(3)	用于薄膜、纸、或用于印刷版的照片涂层 / Used in photo coating used in printing plates, film, and documents.		
	(4)	用于上述以外的EU POPs规则 附页 I Part A 所规定的适用除外用途, 并取得采用部门的许可 / Using exemptions listed in EU POPs regulation Annex I Part A other than above and having permission from adoption decision.		
	(必填)所使用的除外用途 / (Required fields) Applied exemption ( )			
<b>16 氯化系阻燃剂 / Chlorinated flame retardants</b>				
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).		
可以使用 / Usable	(2)	如难以替代, 则须经得夏普采用决定部门的许可。 / It is difficult to substitute, and a permission from the adoption decision department in Sharp was obtained.		
	(必填)难以替代的理由/使用部位 / (Required fields) Reason for "difficult to substitute" and Point of use ( )			
<b>17 卤素化合物 (卤素阻燃剂等) / Halogenated compound (Halogenated flame retardant etc.)</b>				
禁止使用 / Banned	(1)	具有超过100cm <sup>2</sup> 屏幕的电视、显示器和包括数字标牌显示器在内的电子显示器的外壳和底座的均质材料中由卤素类阻燃剂引起的卤素的总含量超过0.1wt% / Used in enclosure and stand of electronic displays including televisions, monitors and digital signage displays with a screen area over 100cm <sup>2</sup> . Total content of halogen elements attributed to the halogenated flame retardants in the homogeneous material is over 0.1wt%.		
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).		
	(3)	属于上述(1), 但用于限定目的地的产品, 且已经得夏普采用决定部门的许可 / Used in the above (1), and used for products with a limited destination and having permission from adoption decision.		
<b>18 磷酸三(2-氯乙基)酯(TCEP) / Tris (2-chloroethyl) phosphate (TCEP)</b>				
禁止使用 / Banned	(1)	"使用于面向儿童(12岁以下)的产品以及用纤维等覆盖的家用家具等" / Used in products for children 12 and under or home furnishings covered with fiber.		
可以使用 / Usable	(2)	用于下述(3)~(6)以外的情况 / Used in the other than the following (3)-(6).		
	(3)	用于汽车零件或其更换用零件 / Used in motor vehicles or replacement parts or replacement equipment for motor vehicles.		
	(4)	用于商用建筑物或住宅用建筑物的阻燃剂或布线等 / 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		
	(5)	用于安装了与台式及笔记本电脑、语音及视频设备、计算机、无线电话、游戏机、对话型软件相连接的屏幕的手机及其外围设备, 以及用于电缆和适配器等连接装置 / 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.		
	(6)	用于存储媒体(CD、电脑游戏等交互软件) / Used in storage media, such as compact discs, for interactive software, such as computer games.		
<b>19 磷酸三(1-甲基-2-氯乙基)酯(TCPP) / Tris(2-chloro-1-methylethyl) phosphate (TCPP)</b>				
禁止使用 / Banned	(1)	"使用于面向儿童(12岁以下)的产品以及用纤维等覆盖的家用家具等" / Used in products for children 12 and under or home furnishings covered with fiber.		
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).		

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化学物质名称 / Substances	No.	确认内容(判定标准) / Check point (Criteria)	确认结果 / Result	
<b>20 磷酸三(1,3-二氯-2-丙基)酯 (TDCPP) / Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)</b>				
禁止使用 / Banned	(1)	“使用于面向儿童(12岁以下)的产品以及用纤维等覆盖的家用家具等” / Used in products for children 12 and under or home furnishings covered with fiber.		
	(2)	用于下述(3)~(6)以外的情况 / Used in the other than the following (3)-(6).		
	可以使用 / Usable	(3)	用于汽车零部件或其更换用零件 / Used in motor vehicles or replacement parts or replacement equipment for motor vehicles.	
		(4)	用于商用建筑物或住宅用建筑物的阻燃剂或布线等 / 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	
		(5)	用于安装了与台式及笔记本电脑、语音及视频设备、计算机、无线电话、游戏机、对话型软件相连接的屏幕的手机及其外围设备, 以及用于电缆和适配器等连接装置 / 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.	
		(6)	用于存储媒体(CD、电脑游戏等交互软件) / Used in storage media, such as compact discs, for interactive software, such as computer games.	
<b>21 多环芳香烃(PAH) / Polycyclic aromatic hydrocarbons (PAHs)</b>				
禁止使用 / Banned	(1)	使用于直接长时间接触或短时间反复接触人体皮肤或口腔的塑料或橡胶零部件。 / 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.		
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).		
<b>22 红磷 / Red phosphorus</b>				
禁止使用 / Banned	(1)	用于树脂或橡胶中 / Used in plastic or rubber.		
可以使用 / Usable	(2)	用于上述(1)以外 / Used in the other than the above (1).		
	(3)	符合上述(1), 但难代替, 已得到夏普决定采用部门的批准 / Used in the above (1), and it is difficult to substitute, and a permission from the adoption decision department in Sharp was obtained. (必填) 难代替的原因·使用场所 / (Required fields) Reason for "difficult to substitute" and Point of use ( )		
<b>23 异丙基苯酚磷酸酯(PIP(3:1)) / Isopropylphenyl phosphate (PIP(3:1))</b>				
禁止使用 / Banned	(1)	用于下述(2)~(5)以外的情况 / Used in the other than the following (2)-(5).		
可以使用 / Usable	(2)	被用作粘合剂或封口剂, 已得到夏普的决定采用部门的许可[2024年1月6日以后禁止使用] / Used in adhesives or sealants and a permission from the adoption decision department in Sharp was obtained. [Prohibited after 6 January 2024] /		
	(3)	用作润滑油或润滑脂 / Used in lubricants or greases.		
	(4)	在制造再生塑料的过程中, 没有追加新的PIP(3:1), 只在含有来自回收的PIP(3:1)的塑料或使用了PIP的产品中使用 / 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)	除上述用途外, 已被用于美国TSCA第6条PBT物质规定的不适用用途, 并得到采用部门的许可 / Using exemptions listed in USA TSCA SECTION 6 PBT-chemicals other than above and having permission from adoption decision. (必填) 所使用的除外用途 / (Required fields) Applied exemption ( )		
<b>24 1,1,2,3,4,4-六氯-1,3-丁二烯(HCBd) / Hexachlorobutadiene (HCBd)</b>				
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).		
可以使用 / Usable	(2)	作为制备氯素类溶剂的副生成物HCBd的非有意生成或含有 / Unintentional production of HCBd as a byproduct in the production of chlorinated solvents		
<b>25 2,4,6-三(1,1-二甲基乙基)苯酚(2,4,6-TTBP) / 2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)</b>				
禁止使用 / Banned	(1)	用于下述(2)以外的情况 / Used in the other than the following (2).		
可以使用 / Usable	(2)	在成型产品中使用 / Used in articles		
<b>26 双酚A / 4,4'-isopropylidenediphenol(Bisphenol A)</b>				
禁止使用 / Banned	(1)	热敏纸用途, 含量0.02wt%以上 / Used in thermal paper, containing equal to or greater than 0.02wt%.		
可以使用 / Usable	(2)	用于上述(1)以外的情况 / Used in the other than the above (1).		
<b>27 双酚S / 4,4'-sulfonyldiphenol(Bisphenol S)</b>				
禁止使用 / Banned	(1)	在不符合下述(2)~(3)的条件下使用 / Used under conditions that do not correspond to following (2)-(3).		
可以使用 / Usable	(2)	用于热敏纸以外的其他用途 / Used for other than thermal paper.		
	(3)	(在热敏纸用途中含量在0.02wt%以上)在目的地限定的产品中被采用, 并得到了夏普决定采用部门的许可 / (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.		
<b>28 2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328) / 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)</b>				
禁止使用 / Banned	(1)	用于下述(2)~(3)以外的情况 / Used in the other than the following (2)-(3).		
可以使用 / Usable	(2)	用于偏振器中的TAC(Tri-Acetyl Cellulose)薄膜 / Used in Tri-acetyl cellulose (TAC) film in polarizers.		
	(3)	用于汽车用零部件 / Used in parts for Motor vehicles.		

从Ver.14.0改订的要点

调查对象物质一览

No.	Ver.14.0	Ver.15.0	
	化学物质名称	化学物质名称	备注(变更处等)
<b>A1. RoHS 全面禁止</b>			
1	六价铬化合物	←	
2	聚溴联苯类(PBB类)	←	
3	溴联苯醚类(PBDE类)	←	更改确认内容(判定标准)。
<b>A2. RoHS 附带条件禁止</b>			
1	镉及其化合物	←	
2	铅及其化合物	←	
3	汞及其化合物	←	
4	邻苯二甲酸(2-乙基己基酯)(DEHP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二异丁酯(DIBP) /	←	
<b>B1. 其他 全面禁止</b>			
1	三丁基锡=环氧(TBTO)	←	
2	三取代有机锡化合物	←	
3	多氯联苯类(PCB类)、及特定的替代物质	←	
4	多氯化钠	←	
5	短链型氯石蜡(SCCP, C:10-13)	←	更改确认内容(判定标准)。
6	石棉类	←	
7	多氯三联苯类(PCT类)	←	
8	2-(2H-1,2,3-苯并三嗪-2-基)-4,6-d-叔丁基苯酚	←	
9	六溴环十二烷(HBCDD)	←	
10	氯化钴	←	
11	富马酸二甲酯	←	
12	铝硅酸盐, 耐火陶瓷纤维	←	
13	氧化钙硅酸铝, 耐火陶瓷纤维	←	
14	二丁基锡(DBT)化合物 /	←	
15	五氯代苯硫酚(PCTP)	←	
16	含9到14个碳原子的全氟羧酸(C9-C14 PFCAs)、其盐类和C9-C14 PFCAs相关物质	←	
17	全氟己基磺酸(PFHxS)、其盐类和PFHxS相关	←	
18	-	Dechlorane plus 及其顺式异构体和反式异构体	从禁用候选物质变更为全面禁用物质
19	-	MOAH(由不少于1个和不多于7个芳香环组成的矿物油芳香碳氢化合物)	反映2022年8月31日发行的标准。
20	-	MOAH(由不少于3个和不多于7个芳香环组成的矿物油芳香碳氢化合物)	
21	-	MOSH(由不少于16个和不多于35个碳原子组成的矿物油饱和碳氢化合物)	
<b>B2. 其他 附带条件禁止</b>			
1	铍及其化合物	←	
2	偶氮染料·颜料	←	
3	聚氯乙烯及共聚物	←	
4	RoHS相关的4种邻苯二甲酸酯物质以外的邻苯二甲酸酯类	←	
5	放射性物质	←	
6	全氟辛烷磺酸盐(PFOS)	←	
7	氟系温室效应气体(HFC/FC/CF6)	←	
8	甲醛	←	
9	过氧酸盐	←	
10	镍	←	
11	砷及其化合物	←	
12	硼酸	←	
13	无水四硼酸, 七水合四硼酸钠	←	
14	二辛基锡(DOT)化合物	←	
15	全氟辛酸(PFOA)及其盐类和酯类	←	
16	氯化系阻燃剂	←	
17	卤素化合物(卤素阻燃剂等)	←	更改化学物质名称和确认内容(判定标准)
18	磷酸三(2-氯乙基)酯(TCEP)	←	
19	磷酸三(1-甲基-2-氯乙基)酯(TCPP)	←	
20	磷酸三(1,3-二氯-2-丙基)酯(TDCPP)	←	
21	多环芳香族碳氢化合物	←	
22	红磷	←	
23	异丙基苯酚磷酸酯(PIP(3:1))	←	
24	1,1,2,3,4,4-六氯-1,3-丁二烯(HCBD)	←	
25	2,4,6-三(1,1-二甲基乙基)苯酚(2,4,6-TTBP)	←	
26	双酚A	←	
27	双酚S	←	
28	-	2-(2H-苯并三嗪-2-基)-4,6-二叔戊基苯酚(UV-328)	从禁用候选物质变更为有条件禁用物质
<b>B3. 臭氧层破坏物质</b>			
1	臭氧层破坏物质	←	
<b>C. 禁止使用候补物质</b>			
-	2-(2H-苯并三嗪-2-基)-4,6-二叔戊基苯酚(UV-328)	(删除)	变更为全面禁用物质。
-	Dechlorane plus 及其顺式异构体和反式异构体	(删除)	变更为全面禁用物质。
-	全氟烷基和多氟烷基物质(PFAS)	(分解为下述No.5和No.6)	变更为PFAS分别记载。
1	十溴二苯乙烷(DBDPE)	←	
2	四溴双酚A(TBBPA)	←	
3	中链氯化石蜡(MCCPs, C14-17, 氯化率 45wt% 以上)	←	
4	-	含15到21个碳原子的全氟羧酸(C15-C21 PFCAs)、其盐类和C15-C21 PFCAs相关物质	新增
5	-	被指定为chemSHERPA最新版的 管理对象物质的全氟烷基和多氟烷基物质(PFAS)	变更为PFAS分别记载。
6	-	上述No.5以外的全氟烷基和多氟烷基物质(PFAS)	变更为PFAS分别记载。
7	-	全氟己酸(PFHxA)、其盐类和PFHxA相关物质	←
8	-	双酚类(双酚A、双酚S除外)	新增

主要参照法令一览

No.	物质名词	主要参照法令等
<b>A1. RoHS 全面禁止</b>		
1	六价铬化合物	EU RoHS指令、EU REACH规则 附页XVII
2	多溴联苯类 (PBB类)	EU RoHS指令、EU REACH规则 附页XVII
3	多溴联苯醚类 (PBDE类)	化审法、EU RoHS指令、EU REACH规则 附页XVII、EU POPs规则 附页I、美国 TSCA
<b>A2. RoHS 带条件禁止</b>		
1	镉及其化合物	EU RoHS指令、EU REACH规则 附页XVII
2	铅及其化合物	EU RoHS指令、EU REACH规则 附页XVII、美国消费者产品安全改善法 (CPSIA)
3	汞及其化合物	EU RoHS指令、EU REACH规则 附页XVII
4	邻苯二甲酸(2-乙基己基酯)(DEHP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二异丁酯(DIBP) /	EU RoHS指令(欧洲委员会委任指令2015/863)、EU REACH规则 附页XVII、美国消费者产品安全改善法(CPSIA)
<b>B1. 其他 全面禁止</b>		
1	三丁基氯化锡(TBTO)	化审法
2	三取代有机锡化合物	化审法、EU REACH规则 附页XVII
3	多氯联苯类(PCB类)、及特定代替物质	化审法、EU POPs规则 附页I
4	聚氯萘	化审法、EU POPs规则 附页I
5	短链氯化石蜡(SCCP, C:10-13)	EU POPs规则 附页I
6	石棉类	安卫法、EU REACH规则 附页XVII
7	聚氯联苯类(PCT类)	EU REACH规则 附页XVII
8	2-(2H)-苯并三氮唑-2-基)-4,6-双(1,1-二甲基乙基)苯酚	化审法
9	六溴环十二烷(HBCDD)	化审法、EU POPs规则
10	氯化钴	(EU REACH规则)※
11	富马酸二甲酯	EU REACH规则 附页XVII
12	硅酸铝、耐火陶瓷纤维	(EU REACH规则)
13	氧化锆硅酸铝、耐火陶瓷纤维	(EU REACH规则)
14	二丁锡化合物(DBT)	EU REACH 附页XVII
15	五氯代苯硫酚(PCTP)	美国 TSCA
16	含9到14个碳原子的全氟羧酸(C9-C14 PFCAs)、其盐类和C9-C14 PFCAs相关物质	EU REACH 附页XVII
17	全氟己基磺酸(PFHxS)、其盐类和PFHxS相关物质	瑞士化学品法、POPs条约
18	Dechlorane plus 及其顺式异构体和反式异构体	POPs条约
19	MOAH(由不少于1个和不多于7个芳香环组成的矿物油芳香碳氢化合物)	法国国内法
20	MOAH(由不少于3个和不多于7个芳香环组成的矿物油芳香碳氢化合物)	法国国内法
21	MOSH(由不少于16个和不多于35个碳原子组成的矿物油饱和碳氢化合物)	法国国内法
<b>B2. 其他 带条件禁止</b>		
1	铍及其化合物	-
2	偶氮染料、颜料	EU REACH规则 附页XVII
3	聚氯乙烯及其共重合体	-
4	RoHS相关的4种邻苯二甲酸酯物质以外的邻苯二甲酸酯类	EU REACH规则 附页XVII、美国消费者产品安全改善法(CPSIA)
5	放射性物质	关于防止放射性同位素等导致的放射线损害的法律、关于核原料物质、核燃料物质及原子反应堆规定的法律
6	全氟辛烷磺酸盐(PFOS)	化审法、EU POPs规则 附页I、加拿大环保法
7	氟系温室效应气体(HFC/PFC/SF6)	EU F气体规定(517/2014)
8	甲醛	德国化学品禁止规则、丹麦甲醛规定
9	高氯酸盐	美国加州 高氯酸盐管理规则
10	镉及其化合物	EU REACH规则 附页XVII
11	砷及其化合物	(EU REACH规则)
12	硼酸	(EU REACH规则)
13	无水四硼酸钠、水合四硼酸钠	(EU REACH规则)
14	二辛基锡化合物(DOT)	EU REACH规则 附页XVII
15	全氟辛酸(PFOA)及其盐类和PFOA关联物质	EU POPs规则 附页I
16	氟系阻燃剂	<夏普独有规定>
17	卤素化合物(卤素阻燃剂等)	规则(欧盟)2019/2021(电子显示器)、美国华盛顿州法律
18	磷酸三氧乙酯(TCEP)	美国佛蒙特州Act85、美国DC.Law 21-108/2016、(EU REACH规则)
19	磷酸三氧丙酯(TCPP)	美国佛蒙特州Act85、美国DC.Law 21-108/2016
20	磷酸三(1,3-二氧丙基)酯(TDCPP)	美国佛蒙特州Act85
21	多环芳烃(PAH)	EU REACH规则 附页XVII
22	红磷	<夏普独有规定>
23	异丙基苯酚磷酸酯(PIP(3:1))	美国 TSCA
24	1,1,2,3,4,4-六氯-1,3-丁二烯(HCBD)	美国 TSCA
25	2,4,6-三(1,1-二甲基乙基)苯酚(2,4,6-TTBP)	美国 TSCA
26	双酚A	EU REACH规则 附页XVII、瑞士化学品法、美国康涅狄格州法案
27	双酚S	瑞士化学品法
28	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚(UV-328)	POPs条约
<b>B3. 臭氧层破坏物质</b>		
1	臭氧层破坏物质	蒙特利尔议定书、美国氟利昂税
<b>C. 禁止使用候补物质</b>		
1	十溴二苯乙烷(DBDPE)	加拿大环境保护法
2	四溴双酚A(TBBPA)	EU RoHS指令
3	中链氯化石蜡(MCCPs, C14-17, 氯化率 45wt% 以上)	EU RoHS指令
4	含15到21个碳原子的全氟羧酸(C15-C21 PFCAs)、其盐类和C15-C21 PFCAs相关物质	POPs条约、加拿大环境保护法
5	被指定为chemSHERPA最新版的的管理对象物质的全氟烷基和多氟烷基物质(PFAS)	美国特定州包装材料有害物质規制
6	上述No.5以外的全氟烷基和多氟烷基物质(PFAS)	
7	全氟己酸(PFHxA)、其盐类和PFHxA相关物质	EU REACH规则 附页XVII
8	双酚类(双酚A、双酚S除外)	欧洲、美国、加拿大的法规

※“(EU REACH规则)”的记载为列为许可对象SVHC之意