

EU REACH Regulation

REACH, the European Union Regulation (EC 1907/2006) on the Registration, Evaluation, Authorisation and Restriction of Chemicals, entered into force on June 1, 2007.

One objective of this regulation is to improve, within the overall framework of sustainable development, the protection of human health and the environment from the risks of chemical substances.

Sharp supports this objective and, under the Sharp Code of Conduct, is taking a proactive approach to compliance with laws and regulations.

According to REACH Article 33 (duty to communicate information on substances in articles), when an article contains a substance from the SVHC (Substances of Very High Concern) Candidate List in a concentration above 0.1% of the weight of the article, suppliers are required to provide the recipients and, upon request, the consumers of that article with information about the SVHC. The first 'Candidate List' of SVHC was published by the European Chemicals Agency (ECHA) on October 28, 2008, followed by several others since then. Sharp confirmed to check the REACH SVHC by SVHC candidate list on 10th June 2022.

To comply with this regulation, Sharp requests all of its suppliers to provide information on SVHCs. To date, Sharp's findings are as follows:

Generally, the SVHCs listed on the next page may be contained in the products or service parts of products:

Based on information provided by Sharp suppliers, it is believed that no other SVHCs are contained above 0.1% in any Sharp products.

No.	Substance name	CAS RN®	Product	Article
1	Lead (*)	7439-92-1	Air conditioner	Capacitor Diodes Fuses IC LED Motor shaft Rectifier Resistance Tightening parts Valves
			Air purifier	Buzzer Diodes IC Printed wiring boards Solid state relays Temperature Sensor Transistors Wifi module
			Calculator	Diodes
			Electronic cash register	Adaptors Diodes IC Transistors Zener diodes
			Electronic cash register option	Assembled unit
			Information display	AC cord AC core Assembled unit Copper alloy Crystal resonators Diodes Fans FIT Wifi antenna Fuses IC LCD module Panel PCB board PCBA Power board Power cord Powercord Rectifier Resistors Shaft Touch control board Transistors Zener diodes
			Information display option	Assembled unit
			Interactive whiteboard	AC cord Assembled unit Diodes Fuses Shaft Zener diodes
			LCD Module	Diodes Fuses IC Transistors
			Microwave	Diodes IC Transistors Zener diodes
			Multifunctional printer	Crystal osillators Crystal resonators Diodes Display solder Fans Frames Fuses Guides assy Harness IC Knobs Lenses Machine screws Motors Photo sensors, light emitting diodes Pipe fittings Plate assy Plungers Power cord wiring Power supplies units Power supply copper wire Power supply solder Pulleys Rollers Shaft Spacers Tapes TCO sensor aluminum TCO sensor steel Thristors Tightening parts Transistors Zener diodes
			Multifunctional printer consumable	Rollers Shaft
			Multifunctional printer option	Assembled unit Connector Diodes IC Rollers Shaft Transistors Varistors Zener diodes
			Refrigerator	AC cord Diodes Fans IC Solid state relays Thermistors Transistors
			Regulator	High melting point solder
			Solar module	Busbar Ribbon
			Solid state relay	High melting point solder
			Video conference soundbar	PCB board

No.	Substance name	CAS RN®	Product	Article
2	1,2-Dimethoxyethane, ethylene glycol dimethyl ether, EGDME	110-71-4	Information display Interactive whiteboard Multifunctional printer Calculator	Lithium battery Lithium battery Battery Lithium battery Lithium battery
3	1,3,5,-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione; TGIC	2451-62-9	Air purifier Multifunctional printer Refrigerator	Photo detectors Photo sensors, light emitting diodes Photo sensors, light emitting diodes
4	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene	13560-89-9	Air conditioner Air purifier	Transformers IC
5	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Information display LCD Module Multifunctional printer	Filters Polarizer Display polarizer
6	2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol	9002-93-1	Air purifier	Tape
7	2-Ethoxyethyl acetate; ethylene glycol monoethyl ether acetate; ethylglycol acetate	111-15-9	Air purifier Information display option	Panels PCBA
8	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Information display	PCB board
9	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	20636-48-0	Multifunctional printer	Sensor units
10	Aluminosilicate refractory ceramic fibres	142844-00-6	Interactive whiteboard	Fuses
11	Bis(2-(2-methoxyethoxy)ethyl)ether; tetraglyme	143-24-8	Multifunctional printer Multifunctional printer consumable Multifunctional printer option	PCBA Solders Solders PCBA Solders
12	Bisphenol A; 4,4'-isopropylidenediphenol	80-05-7	Information display option	Assembled unit
13	Boric acid	10043-35-3	Information display LCD Module Multifunctional printer	Assembled unit Power cord Powercord Polarizer Lenses
14	Cadmium (*)	7440-43-9	Air conditioner	metal contact dot Relay
15	Decamethylcyclopentasiloxane (D5)	541-02-6	Air conditioner Information display	Fixed parts Rubber Silicon Grease Silicaglu
16	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	Air conditioner Information display Multifunctional printer Multifunctional printer consumable	Heat insulation pipe Insulating Tube sponge Conductive tape Moltopens Moltopens
17	Diboron trioxide; Boric oxide	1303-86-2	Air purifier Electronic cash register Multifunctional printer Multifunctional printer option	Diodes Liquid crystal display units Ceramic heater Assembled unit
18	Dodecamethylcyclohexasiloxane; D6	540-97-6	Air conditioner	Fixed parts Rubber Silicon Grease
19	Hexahydromethylphthalic anhydride	25550-51-0	Information display option	PCBA
20	Lead monoxide (lead oxide) (*)	1317-36-8	Calculator Information display Information display option Multifunctional printer Multifunctional printer option	Diodes Resistors Resistors PCBA Ceramic heater Diodes Display glass Lithium battery Power supply capacitor Power supply PCB Resistors Connector Diodes Semiconductors
21	Lead titanium trioxide (*)	12060-00-3	Air conditioner Information display Interactive whiteboard Multifunctional printer Multifunctional printer option	Thermistors Crystal resonators Crystal resonators Crystal resonators Power supplies units Crystal resonators
22	Lead titanium zirconium oxide (*)	12626-81-2	Air conditioner Air purifier Electronic cash register Microwave Multifunctional printer Multifunctional printer option Refrigerator	Alarms Ceramics resonators Alarms Ceramics resonators Alarms Alarms Ceramics resonators Alarms Ceramics resonators Sensor units Ceramics resonators Alarms Ceramics resonators
23	N,N-dimethylformamide; dimethyl formamide (DMF)	68-12-2	Air conditioner	PCB board
24	Nonylphenol, branched, ethoxylated; 1 - 2.5 moles ethoxylated	68412-54-4	Multifunctional printer Multifunctional printer consumable	Tapes Tapes
25	Octamethylcyclotetrasiloxane (D4)	556-67-2	Air conditioner	Fixed parts Rubber Silicon Grease
26	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3	Multifunctional printer	Lenses Pulleys Tightening parts
27	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	29420-49-3	Multifunctional printer Multifunctional printer consumable	Sheets Sheets
28	Potassium perfluorobutane sulfonate (KPFBS)	29420-49-3	Multifunctional printer Multifunctional printer consumable Multifunctional printer option	Sheets Sheets Sensor units
29	Salts of Perfluorobutane sulfonic acid (PFBS)	-	Multifunctional printer	Sheets
30	Triethyl arsenate	15606-95-8	Multifunctional printer	Plate assy
31	Bis (2-ethylhexyl) phthalate (DEHP) (*)	117-81-7	Multifunction display Cash registers	Cables Cables
32	Dibutyl phthalate (DBP) (*)	84-74-2	Multifunction display	Rubber rollers
33	Diarsenic trioxide	1327-53-3	Microwave oven	Glass tables

(*) Usage only in accordance with the EU RoHS Directive.

(**) In accordance with the EU RoHS Directive, it is not used for products placed on the market after July 22, 2019.