

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 14th June 2023.

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 No.	Product	Article
1	Lead (*1)	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 Triode Zener diodes
			Information display option	Assembled unit
			Interactive Display	Copper alloy Diodes MOS FET Resistors
			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 Nuts 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 Thyristors Tightening parts Transistors Varistors Zener diodes

No.	Substance name	CAS No.	Product	Article
			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
2	Lead titanium zirconium oxide (*1)	12626-81-2	Air conditioner	Alarms Ceramics resonators
			Air purifier	Alarms Ceramics resonators
			Electronic cash register	Alarms
			Microwave	Alarms Ceramics resonators
			Multifunctional printer	Alarms Ceramics resonators Sensor units
			Multifunctional printer option	Ceramics resonators
			Refrigerator	Alarms Ceramics resonators
3	1,2-Dimethoxyethane; ethylene glycol dimethyl ether; EGDME	110-71-4	Calculator	Lithium battery
			Information display	Lithium battery
			Interactive whiteboard	Lithium battery
			Multifunctional printer	Battery Lithium battery
4	Lead titanium trioxide (*1)	12060-00-3	Air conditioner	Thermistors
			Information display	Crystal resonators
			Interactive whiteboard	Crystal resonators
			Multifunctional printer	Crystal resonators Power supplies units
			Multifunctional printer option	Crystal resonators
5	Bis(2-(2-methoxyethoxy)ethyl)ether; tetraglyme	143-24-8	Multifunctional printer	PCBA Solders
			Multifunctional printer consumable	Solders
			Multifunctional printer option	PCBA Solders
6	Lead monoxide (lead oxide) (*1)	1317-36-8	Calculator	Diodes Resistors
			Information display	Resistors
			Information display option	PCBA
			Multifunctional printer	Ceramic heater Diodes Display glass Lithium battery Power supply capacitor Power supply PCB Resistors
			Multifunctional printer option	Connector Diodes Semiconductors
7	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
8	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Information display	Filters
			LCD Module	Polarizer
			Multifunctional printer	Display polarizer
9	1,3,5,-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione; TGIC	2451-62-9	Air purifier	Photo detectors
			Ir Detecting Unit for Remote Control	Mold resin
			Multifunctional printer	Photo sensors, light emitting diodes
			Opic Light Detector	Mold resin
			Photo Interrupter	Mold resin
			Photo Transistor	Mold resin
			Photo Diode	Mold resin
			Refrigerator	Photo sensors, light emitting diodes
10	2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol	79-94-7	Information display	Connector
			Multifunctional printer	Capacitor Filters Printed wiring boards
			Multifunctional printer consumable	Printed wiring boards
			Multifunctional printer option	Printed wiring boards
11	Boric acid	10043-35-3	Information display	Assembled unit Power cord Powercord
			Interactive Display	Screw
			LCD Module	Polarizer
			Multifunctional printer	Lenses
			Solar module	Polarizer
12	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	20636-48-0	Multifunctional printer	Sensor units
13	Potassium perfluorobutane sulfonate (KPFBS)	29420-49-3	Multifunctional printer	Sheets
			Multifunctional printer consumable	Sheets
			Multifunctional printer option	Sensor units
14	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	Air conditioner	Heat insulation pipe Insulating Tube sponge
			Information display	Conductive tape
			Multifunctional printer	Moltoprens
			Multifunctional printer consumable	Moltoprens
15	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	29420-49-3	Multifunctional printer	Sensor units Sheets
			Multifunctional printer consumable	Sheets

No.	Substance name	CAS No.	Product	Article
16	Decamethylcyclotrasiloxane (D5)	541-02-6	Air conditioner	Fixed parts Rubber Silicon Grease
17	Salts of Perfluorobutane sulfonic acid (PFBS)	-	Information display	Silicaglu
18	Nonylphenol, branched, ethoxylated; 1 - 2.5 moles ethoxylated	68412-54-4	Information display Multifunctional printer	Mylar Sheets
19	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Multifunctional printer Multifunctional printer consumable	Tapes Tapes
20	Diboron trioxide; Boric oxide	1303-86-2	Information display Interactive Display LCD Module	PCB board Solder resistance black oil PCB board
21	Dodecamethylcyclotrasiloxane; D6	540-97-6	Air purifier Electronic cash register Multifunctional printer Multifunctional printer option	Diodes Liquid crystal display units Ceramic heater Assembled unit
22	Octamethylcyclotrasiloxane (D4)	556-67-2	Air conditioner	Fixed parts Rubber Silicon Grease
23	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	9002-93-1	Multifunctional printer	Racks
24	Melamine	108-78-1	Information display	Solder resistance black oil
25	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 ("Dechlorane Plus"™)	13560-89-9	Air conditioner	Transformers
26	Cadmium (*1)	7440-43-9	Air purifier Air conditioner	IC metal contact dot
27	Hexahydromethylphthalic anhydride	25550-51-0	Air conditioner	Relay
28	Cobalt carbonate	513-79-1	Information display option Photo Interrupter	PCBA Mold resin
29	Bis (2-ethylhexyl) phthalate (DEHP) (*2)	117-81-7	Multifunctional printer Multifunctional printer option	Cores Cores
30	Bis (2-ethylhexyl) phthalate (DEHP) (*2)	117-81-7	Cash registers	Cables
31	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Multifunction display	Cables
32	2-Ethoxyethyl acetate; ethylene glycol monoethyl ether acetate; ethylglycol acetate	111-15-9	Information display Air purifier	PCB board Panels
33	Dibutyl phthalate (DBP) (*2)	84-74-2	Information display option	PCBA
34	Triethyl arsenate	15606-95-8	Multifunction display	Rubber rollers
35	Triethyl arsenate	15606-95-8	Multifunctional printer	Plate assy
36	Alkanes, C16-35, chloro	85049-26-9	Multifunctional printer	Sheets
37	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	9002-93-1	Air purifier	Tape
38	Bisphenol A; 4,4'-isopropylidenediphenol	80-05-7	Information display option	Assembled unit
39	N,N-dimethylformamide; dimethyl formamide (DMF)	68-12-2	Air conditioner	PCB board
40	Diarsenic trioxide	1327-53-3	Microwave oven	Glass tables
41	Cobalt sulphate; Cobalt sulfate	10124-43-3	Interactive Display	Screw
42	Aluminosilicate refractory ceramic fibres	142844-00-6	Interactive whiteboard	Fuses

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

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