

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 19th January 2021.

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	Multifunctional printer	Transistors
				Diodes
				Zener diodes
				IC
				Pulleys
				Fans
				Tightening parts
				Shaft
				Rollers
				Thyristors
				Motors
				Machine screws
				Power supplies units
				Lenses
				Fuses
				Power supply copper wire
				Spacers
				Pipe fittings
				Power supply solder
				Plungers
				Frames
				Power cord wiring
				TCO sensor steel
				Crystal resonators
				Knobs
				Display solder
				Guides assy
				TCO sensor aluminum
				Plate assy
				Harness
			Photo sensors, light emitting diodes	
			Crystal osillators	
			Tapes	
			Information display	Diodes
				Resistors
				Transistors
				PCBA
				Shaft
				Zener diodes
				Assembled unit
				AC cord
				Fuses
				Power cord
				Power board
				FIT W/LFI antenna
				AC core
				Fans
				Panel
				Crystal resonators
				IC
				LCD module
				Touch control board
				Multifunctional printer option
			Zener diodes	
			Diodes	
			Shaft	
			IC	
			Assembled unit	
			Rollers	
			Connector	
			Fuses	
			Zener diodes	
			Interactive whiteboard	Shaft
				AC cord
				Assembled unit
				Diodes
				Diodes
			Electronic cash register	Zener diodes
				IC
				Transistors
				Adaptors
				Rollers
			Multifunctional printer consumable	Assembled unit
			Electronic cash register option	Assembled unit
			Information display option	Assembled unit
			LCD module	Diodes
				Transistors
			Solid state relay	IC
				High melting point solder
			Regulator	High melting point solder
			Solar module	Ribbon
				Busbar
			Refrigerator	Fans
				AC cord
				IC
				Diodes
				Thermistors
				Solid state relays
				Transistors
				IC
				Diodes
				Zener diodes
			Microwave oven	Transistors
				Valves
				Tightening parts
				IC
				Diodes
				Motor shaft
				Resistance
				Capacitor
LED				
Rectifier				
Calculator	Fuses			
	Diodes			
Air purifier	Printed wiring boards			
	IC			
	Diodes			
	Solid state relays			
	Transistors			
	Temperature Sensor			
	Buzzer			

No.	Substance name	CAS No.	Product	Article
2	Lead monoxide (lead oxide) ^{(*)1}	1317-36-8	Information display	Resistors
			Multifunctional printer	Power supply capacitor
				Ceramic heater
				Power supply PCB
			Multifunctional printer option	Display glass
				Lithium battery
Information display option	Semiconductors			
	Connector			
	PCBA			
3	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	Diodes
				Resistors
4	1,2-Dimethoxyethane; ethylene glycol dimethyl ether; EGDME	110-71-4	Multifunctional printer	Pulleys
				Tightening parts
				Lenses
				Lithium battery
5	Lead titanium zirconium oxide ^{(*)1}	12626-81-2	Multifunctional printer	Battery
				Lithium battery
			Multifunctional printer option	Lithium battery
				Lithium battery
			Electronic cash register	Lithium battery
				Lithium battery
			Refrigerator	Alarms
				Sensor units
			Microwave oven	Ceramics resonators
				Ceramics resonators
Air conditioner	Alarms			
	Ceramics resonators			
Air purifier	Alarms			
	Ceramics resonators			
6	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione; TGIC	2451-62-9	Multifunctional printer	Photo sensors, light emitting diodes
				Refrigerator
				Photo sensors, light emitting diodes
7	Boric acid	10043-35-3	Information display	Photo detectors
				Air purifier
			Multifunctional printer	Powercord
				LCD module
8	Lead titanium trioxide ^{(*)1}	12060-00-3	Multifunctional printer	Power cord
				Crystal resonators
			Information display	Power supplies units
				Interactive whiteboard
			Air conditioner	Crystal resonators
Thermistors				
9	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Information display	Filters
				Multifunctional printer
				LCD module
10	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	29420-49-3	Multifunctional printer	Display polarizer
				Polarizer
11	Diboron trioxide; Boric oxide	1303-86-2	Multifunctional printer	Sensor units
				Multifunctional printer option
			Electronic cash register	Ceramic heater
12	Nonylphenol, branched, ethoxylated; 1 - 2.5 moles ethoxylated	68412-54-4	Multifunctional printer consumable	Assembled unit
				Multifunctional printer
13	Aluminosilicate refractory ceramic fibres	142844-00-6	Interactive whiteboard	Liquid crystal display units
				Fuses
14	2-Ethoxyethyl acetate; ethylene glycol monoethyl ether acetate; ethylglycol acetate	111-15-9	Information display option	Diodes
				Air purifier
15	Bisphenol A; 4,4'-isopropylidenediphenol	80-05-7	Information display option	Tapes
				Assembled unit
16	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	Multifunctional printer consumable	Tapes
				Air conditioner
				Moltoprens
17	Hexahydromethylphthalic anhydride	25550-51-0	Information display option	Heat insulation pipe
				Multifunction display ^{(*)2}
18	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	Multifunction display ^{(*)2}	Sponge
				Cash registers ^{(*)2}
19	Dibutyl phthalate (DBP)	84-74-2	Multifunction display ^{(*)2}	Insulating tube
				Cables
20	Diarsenic trioxide	1327-53-3	Microwave oven	PCBA
				Air conditioner
				Cables
21	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)	13560-89-9	Air purifier	Cables
				IC
22	2-[1,4-(2,4,4-trimethylpentan-2-N,N-dimethylformamide; dimethyl formamide (DMF)	9002-93-1	Air purifier	Rubber rollers
				Air conditioner
23	N,N-dimethylformamide; dimethyl formamide (DMF)	68-12-2	Air conditioner	Glass tables
				PCB board
24	Cadmium	7440-43-9	Air conditioner	Transformers
				Metal contact dot
25	Octamethylcyclotetrasiloxane (D4)	556-67-2	Air conditioner	Relay
				Fixed parts
				Rubber
26	Decamethylcyclopentasiloxane (D5)	541-02-6	Air conditioner	Silicon Grease
				Fixed parts
				Rubber
27	Dodecamethylcyclohexasiloxane; D6	540-97-6	Air conditioner	Silicon Grease
				Fixed parts
				Rubber
				Silicon Grease

(*)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.