

# 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 (Pb)	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 oscillators
				Tapes
			Information display	Diodes
				Resistors
				Transistors
				PCBA
				Shaft
				Zener diodes
				Assembled unit
				AC cord
				Fuses
				Power cord
				Power board
				FIT WI FI antenna
				AC core
				Fans
Panel				
Crystal resonators				
IC				
LCD module				
Touch control board				
Multifunctional printer option	Transistors			
	Zener diodes			
	Diodes			
	Shaft			
	IC			
	Assembled unit			
Interactive whiteboard	Rollers			
	Connector			
	Fuses			
	Zener diodes			
Electronic cash register	Shaft			
	AC cord			
	Assembled unit			
	Diodes			
Multifunctional printer consumable	Diodes			
	Zener diodes			
Electronic cash register option	IC			
Information display option	Transistors			
LCD module	Adaptors			
	Rollers			
Solid state relay	Assembled unit			
Regulator	Assembled unit			
Solar module	Diodes			
	Transistors			
	IC			
	High melting point solder			
	High melting point solder			
	Ribbon			
	Busbar			

No.	Substance name	CAS No.	Product	Article			
			Refrigerator	Fans AC cord IC Diodes Thermistors Solid state relays Transistors			
			Microwave oven	IC Diodes Zener diodes Transistors			
			Air conditioner	Valves Tightening parts IC Diodes Motor shaft Resistance Capacitor LED Rectifier Fuses			
			Calculator	Diodes			
			Air purifier	Printed wiring boards IC Diodes Solid state relays Transistors Temperature Sensor Buzzer			
			2	Lead monoxide (lead oxide) (r1)	1317-36-8	Information display	Resistors Power supply capacitor Ceramic heater Power supply PCB Display glass Lithium battery
						Multifunctional printer	Semiconductors Connector
						Multifunctional printer option	PCBA
						Information display option	Diodes Resistors
						Calculator	Pulleys Tightening parts Lenses
						3	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)
			Information display	Lithium battery			
			Interactive whiteboard	Lithium battery			
			4	1,2-Dimethoxyethane; ethylene glycol dimethyl ether; EGDME	110-71-4	Calculator	Lithium battery
						5	Lead titanium zirconium oxide (r1)
			Multifunctional printer option	Ceramics resonators			
Electronic cash register	Alarms						
Refrigerator	Alarms Ceramics resonators						
Microwave oven	Alarms 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			
			Air purifier	Photo detectors			
7	Boric acid	10043-35-3	Information display	Powercord Assembled unit Power cord			
			Multifunctional printer	Lenses			
			LCD module	Polarizer			
8	Lead titanium trioxide (r1)	12060-00-3	Multifunctional printer	Crystal resonators Power supplies units			
			Information display	Crystal resonators			
			Interactive whiteboard	Crystal resonators			
			Air conditioner	Thermistors			
9	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Information display	Filters			
			Multifunctional printer	Display polarizer			
			LCD module	Polarizer			
10	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	29420-49-3	Multifunctional printer	Sensor units			

No.	Substance name	CAS No.	Product	Article
11	Diboron trioxide; Boric oxide	1303-86-2	Multifunctional printer option	Assembled unit
			Electronic cash register	Liquid crystal display units
			Air purifier	Diodes
12	Nonylphenol, branched, ethoxylated; 1 - 2.5 moles ethoxylated	68412-54-4	Multifunctional printer consumable	Tapes
			Multifunctional printer	Tapes
13	Aluminosilicate refractory ceramic fibres	142844-00-6	Interactive whiteboard	Fuses
14	2-Ethoxyethyl acetate; ethylene glycol monoethyl ether acetate; ethylglycol acetate	111-15-9	Information display option	PCBA
			Air purifier	Panels
15	Bisphenol A; 4,4'-isopropylidenediphenol	80-05-7	Information display option	Assembled unit
16	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	Multifunctional printer consumable	Moltoprens
			Air conditioner	Heat insulation pipe
				Sponge
				Insulating tube
17	Hexahydromethylphthalic anhydride	25550-51-0	Information display option	PCBA
18	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	Multifunction display <sup>(*)2</sup>	Cables
			Cash registers <sup>(*)2</sup>	Cables
19	Dibutyl phthalate (DBP)	84-74-2	Multifunction display <sup>(*)2</sup>	Rubber rollers
20	Diarsenic trioxide	1327-53-3	Microwave oven	Glass tables
21	Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	13560-89-9	Air conditioner	Transformers
			Air purifier	IC
22	2-[14-(2,4,4-trimethylpentan-2-	9002-93-1	Air purifier	Tape
23	N,N-dimethylformamide; dimethyl formamide (DMF)	68-12-2	Air conditioner	PCB board
24	Cadmium	7440-43-9	Air conditioner	Metal contact dot
				Relay
25	Octamethylcyclotetrasiloxane (D4)	556-67-2	Air conditioner	Fixed parts
				Rubber
				Silicon Grease
26	Decamethylcyclopentasiloxane (D5)	541-02-6	Air conditioner	Fixed parts
				Rubber
				Silicon Grease
27	Dodecamethylcyclohexasiloxane; D6	540-97-6	Air conditioner	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.