

Fluke Corporation
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July 31, 2021

REACH Substances of Very High Concern (SVHC) and Persistent Organic Pollutants (POPs)

Based on our reviews, and to the best of our knowledge, Fluke's products are in compliance with the POPs regulation and do not contain any of the prohibited substances listed in Annex I to (EU) 2019/1021. In addition, under Article 33 of EU REACH Regulation (1907/2006), Fluke has a duty to communicate to our customers the presence of SVHCs in excess of 0.1% by weight of articles (as defined by Court of Justice of the European Union Case C-106/14) contained in our products.

Fluke has reviewed its products for the presence of the Two hundred and Eleven (219) SVHC substances on the EU SVHC Candidate List as of 8 July, 2021. No SVHCs were present in Fluke's products in excess of 0.1% by weight, except as noted below. This determination is based on engineering evaluation, testing, and supplier declarations and is correct to the best of Fluke's knowledge.

SVHC Candidate Substance	CAS#	EC#	Applications
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	PVC (e.g. cable and internal hook-up wire insulation, soft case trim, packaging, etc.), electrical tape rubber/foam gaskets, O-rings, grommets, bumpers, cushioning, polymeric consumables (paints, coatings, sealants, and adhesives)
Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Molded ABS sub-components
Terphenyl, hydrogenated	61788-32-7	262-967-7	PVC, epoxy resins (e.g. cable and wire insulation, soft case trim, epoxy based printed circuit boards, etc.), and polymeric consumables such as paints, coatings, sealants, and adhesives
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	Case holsters and over-mould elastomers
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	Plastic materials (e.g. packaging, foam, cases, PC/ABS enclosures cable/wire insulation) and display assemblies
Chromium trioxide	1333-82-0	215-607-8	Non-RoHS aluminum / steel components
Lead monoxide (lead oxide)	1317-36-8	215-267-0	Chip Resistors
Trixylyl phosphate	25155-23-1	246-677-8	PVC materials and other plastics containing flame retardants (e.g. cable and wire insulation, soft case trim, electrical tape etc.)
N,N-dimethylacetamide	127-19-5	204-826-4	External Power supplies thermal insulation paper
N,N-dimethylformamide	68-12-2	200-679-5	Leather grips and holsters; electronic sub-components

SVHC Candidate Substance	CAS#	EC#	Applications
2-(2H-benzotriazol-2-yl)-4-(tertbutyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	Flat panel displays
Disodium tetraborate, anhydrous	12179-04-3	215-540-4	
	1303-96-4		
	1330-43-4		
Boric acid	10043-35-3	233-139-2	
Bis(2-methoxyethyl) ether	111-96-6	234-343-4	
Lead (Pb)	7439-92-1	231-100-4	Non-RoHS-compliant articles containing solder, or PVC such as cable and wire. RoHS compliant articles with exemptions including lead in solder, metal alloys. RoHS Exempt steel / galvanized steel {RoHS exemption 6a}, Aluminum {RoHS exemption 6b}, Copper alloys in PCBs {RoHS exemption 6c}, Ceramic capacitors {RoHS exemption 7c}, piezoelectric devices
Lead titanium zirconium oxide	12626-81-2	235-727-4	Hard disk drives and Piezo buzzers
1-Methyl-2-pyrrolidone (NMP)	872-50-4	212-828-1	Electronic sub-components
Diboron trioxide	1303-86-2	215-125-8	
Lead titanium trioxide	12060-00-3	235-038-9	
Cyclohexane-1,2-dicarboxylic anhydride	14166-21-3	238-009-9	
	85-42-7	201-604-9	
	13149-00-3	236-086-3	
Hexahydromethylphthalic anhydride	19438-60-9	243-072-0	LED hardener and coating
	57110-29-9	260-566-1	
	48122-14-1	256-356-4	
	25550-51-0	247-094-1	
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	Powder coat paints
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	423-400-0	
4,4'-isopropylidenediphenol (Bisphenol A; BPA)	80-05-7	201-245-8	Plastics, resins, paints, and lubricants, especially polycarbonate (PC), PVC, and epoxy resins (e.g. PVC-jacketed cables and soft case trim, epoxy based printed circuit boards, PC based lenses / display backings)
1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Lithium primary coin cells
1,3-propanesultone	1120-71-4	214-317-9	Lithium battery electrolytes and secondary Lithium-ion batteries
2-ethoxyethyl acetate	111-15-9	203-839-2	Hard disks, keyboards, and recorders
2-Methyl-4'-(methylthio)-2morpholinopropiophenone	400-600-6	400-600-6	Diodes
4-Nonylphenol, branched and linear, ethoxylated	-	-	Label adhesives and optical fiber components

SVHC Candidate Substance	CAS#	EC#	Applications
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	236-948-9	Non-PVC polymeric materials containing chlorinated flame retardants (e.g. cable/wire insulation, connectors, rubbery materials)
	135821-74-8	-	
	135821-03-3	-	
Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	Encapsulants used in products with explosive atmospheres
Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	Silicone polymers, and consumables including paints, coatings, sealants, adhesives, potting agents, and lubricants
Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	
Azodicarboxamide	123-77-3	204-650-8	Connector support / accessories
Cadmium oxide	1306-19-0	215-146-2	PCB power/signal relays
Hexabromocyclododecane	25637-99-4	247-148-4	Connector & cable accessories
1,2,5,6,9,10- Hexabromocyclododecane	3194-55-6	221-695-9	Terminals, terminator shields and sleeves
Diisopentyl phthalate	605-50-5	210-088-4	Connector support: kits / screw retainers
Medium-chain chlorinated paraffins (MCCP) [UVCBs ≥ 80% linear C14 - C17 chloroalkanes]	No CAS	-	Sealants, rubber and plastic components
4,4'-(1- methylpropylidene) bisphenol	77-40-7	201-025-1	Phenolic and polycarbonate resins

Please contact environmental-compliance@fluke.com if you have any questions.