

**Supplier's Confirmation
'List of prohibited hazardous substances'**

Supplier's Confirmation

We hereby confirm and assure that

(Please select the right answer by tick.)

- all products we deliver to Fujitsu Technology Solutions
- The button cells delivered to Fujitsu Technology Solutions are in line with the battery directive 2006/66/EC and also with the update out of Directive 2013/56.

Complies with the attached „List of prohibited hazardous substances, issue date January 2012“.

- Part 1: Hazardous substances restricted by Acts and Ordinances
The list of prohibited substances gives a simplified survey over the legal position concerning hazardous substances. It contains a selection of substances, which are relevant for IT products and packaging.
- and
- Part 2: Hazardous substances restricted by Fujitsu Group

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Date and legally binding Signature:	2018.10.11 

List of prohibited hazardous substances

Summary of bans or restrictions on the distribution of hazardous substances

Issue Date: January 2012

Part 1: Hazardous substances restricted by Acts and Ordinances

Substance/ Substance group	CAS No.	Affected application	Limit value (wt.%) ¹⁾	Excep- tions	Legal regulations ²⁾	
Electrical and electronic equipment and components; metal, glass and ceramic parts						
Lead	7439-92-1	Electrical and electronic equipment	0.1	yes	EU RoHS CH ChemRRV App. 2.16(6)	
Cadmium Cadmium compounds	7440-43-9	Electrical and electronic equipment	0.01	yes	EU RoHS CH ChemRRV App. 2.16(6)	
		Metal surface coating	n.g.	yes	EU REACH App. XVII CH ChemRRV App. 2.9, 2.16(2) DK Statutory Order No. 1199: — limit value 0.0075 %	
		Zinc layers	0.025		CH ChemRRV App. 2.16(3)	
Mercury Mercury compounds	7439-97-6	Electrical and electronic equipment	0.1	yes	EU RoHS	
		All applications	n.g.	yes	CH ChemRRV App. 1.7 NL Decree 9 September 1998 SE SFS 1998:944	
Hexavalent chromium (Cr ^{VI})		Electrical and electronic equipment	0.1	yes	EU RoHS CH ChemRRV App. 2.16(6)	
Polybrominated biphenyls (PBBs) Polybrominated diphenyl-ethers (PBDEs)		Electrical and electronic equipment	0.1	yes	EU RoHS CH ChemRRV App. 1.9	
Batteries and accumulators						
Lead	7439-92-1	Fixed batteries ³⁾	0.1	yes	CH ChemRRV App. 2.15	
Cadmium	7440-43-9	Portable batteries and accumulators	0.002	yes	EU 2006/66/EC	
		Zinc-carbon batteries Fixed batteries ³⁾	0.015 0.015	yes	CH ChemRRV App. 2.15	
Mercury	7439-97-6	Batteries and accumulators	0.000 5	yes	EU 2006/66/EC	
		Fixed batteries ³⁾	0.000 5		CH ChemRRV App. 2.15	
		Alkali-manganese batteries	0.000 5 0.000 1	yes	CH ChemRRV App. 2.15 PRChina Regulation on Mercury Content Limitation for Batteries	
		Zinc-carbon batteries	0.000 5		CH ChemRRV App. 2.15	
		Alkaline-Zinc-Batteries	0.000 1		PRChina Regulation on Mercury Content Limitation for Batteries	

Plastics and rubber parts, wire insulation, coats of lacquer, adhesives (including packaging material)					
Lead and lead compounds		Paints and varnishings	0.01	yes	CH ChemRRV App. 2.8
Lead and lead compounds		Cables/cords with thermoset or thermoplastic coatings	0.03 of surface coating		US/CA Proposition 65 Case law
Cadmium and cadmium compounds (for products out of RoHS scope)		Pigments in plastics Stabilized vinyl-chloride polymers and copolymers (e.g. PVC)	0.01 0.01	yes yes	EU REACH App. XVII CH ChemRRV App. 2.9, 2.16(2) DK Statutory Order No. 1199: — limit values 0.0075 %
		Paints and varnishings	0.01	yes	CH ChemRRV App. 2.8
Phthalate: Any Phthalate		Isolation of Headphone cables	0.01		US-CA Proposition 65 Settlement Updates: Part 3
Dibutyltin (DBT) compounds (applied after January 1, 2012. Certain use for PVC shall be exempted until December 31, 2012)		all applications	0.1	yes	REACH, Annex XVII
Polybrominated biphenyls (PBBs) Polybrominated diphenyl-ethers (PBDEs)		Electrical and electronic equipment	0.1	yes	EU RoHS CH ChemRRV App. 1.9
Short chain chlorinated paraffins (SCCP: C10-C13)	63449-39-8	Sealing compounds Plastics and rubber	1.0		CH ChemRRV App. 1.2
		Paints, coatings, plastics, rubbers and seals	0.1		NO Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002
			n.g.	yes	CH ChemRRV App. 1.6
Textile and leather parts					
Azocolourants that split aromatic amines		Textile and leather parts	0.003		EU REACH App. XVII
Cadmium and cadmium compounds		Paints	0.1		EU REACH App. XVII
		Paints and varnishings	0.01	yes	CH ChemRRV App. 2.8
Formaldehyde		Textile	0.0075		Austria – BGB I 1990/194: Formaldehydverordnung, §2, 12/2/1990
Tri (2,3, dibromopropyl)-phosphate (TRIS),	126-72-7	Textile and leather parts with direct skin contact	n.g.		REACH, Annex XVII
Tris(aziridinyl)phosphineoxide (TEPA),	545-55-1	Textile and leather parts with direct skin contact	n.g.		REACH, Annex XVII
Perfluorooctane Sulfonates (PFOS)		Textile	1µg/m ²		2006/122/EC
polybrominated biphenyl (PBB)	59-536-65-1	Textile and leather parts with direct skin contact	n.g.		REACH, Annex XVII
Diocetyl tin (DOT) compounds		textile and leather articles intended to come into contact with the skin	0.1		REACH, Annex XVII
Tributyl Tin Oxide (TBTO)	56-35-9	all applications	intentionally added		Japan Law concerning the evaluation of chemical substances
Other materials					
Dimethylfumarate (DMF)	624-49-7	All applications	0.1 mg/kg		EU 2009/251/EC
Asbestos	1332-21-4 and see below. ⁴⁾	All applications	0.1 (total)	yes	EU REACH App. XVII
			n.g.	yes	CH ChemRRV App. 1.6
Nickel	7440-02-0	Parts with direct and prolonged skin contact	0.5 µg/cm ² /week		EU REACH App. XVII
▶ Perfluorooctane Sulfonates (PFOS)		All applications	0.1	yes	EU REACH App. XVII (EC) No 552/2009; Canadian Environmental Protection Act SOR/ 2008-178; Japan Law concerning the evaluation of chemical substances

Coolants, insulating gases and liquids, fire extinguishing agents					
Ozone-depleting substances	see below ⁵⁾	All-applications	n.g.	yes	EU 2037/2000 US CAA (42 USC 7671 et seq.) CH ChemRRV App. 1.4, 2.3, 2.9-12
Fluorinated-greenhouse gases	see below ⁶⁾	All-applications	n.g.	yes	EU Regulation No. 842/2006 AT BGBl. Nr. 447/2002-AT
Polychlorinated biphenyls (PCBs) and specific substitutes		All-applications	n.g. n.g.	yes	EU REACH App. XVII CH ChemRRV App. 1.1, 2.14 US TSCA (15 USC 2605) + 40 CFR 761
Polychlorinated Biphenyls (all isomers and congeners)	4336-36-3				
Monomethyl-tetrachloro-diphenyl-methane (Ugilec 141)	76253-60-6				
Monomethyl-dichloro-diphenyl-methane (Ugilec 121, Ugilec 21)	81161-70-8				
Monomethyl-dibromo-diphenyl-methane (DBBT)	99688-47-8				
Polychlorinated terphenyls (PCTs) (all isomers and congeners)	61788-33-8	All-applications	0.005		EU REACH App. XVII
Packaging (see further requirements in chapter "plastics")					
Heavy metals (lead, cadmium, hexavalent chromium, mercury)		Packaging and packaging components	0.01 (Total)		EU 94/62/EC CH ChemRRV App. 2.16(4)
Ozone-depleting substances	see below ⁵⁾	Foam-plastic			See chapter "Coolants, insulating gases and liquids, fire extinguishing agents"

Notes

1) "n.g." means that no limit value is given in the legislation. In these cases the legally given concentration limits for taking substances into account are to be observed.

Limits are related to the affected application (excepting RoHS, which is related to homogenous material).

2) Country codes according to ISO 3166

ChemVerbotsV	German chemicals prohibition ordinance (Chemikalienverbotsverordnung)
CAA	Clean Air Act
KIFS	Swedish National Chemicals Inspectorate's Regulations (Kemikalieinspektionens före-skrifter)
REACH	Regulation 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (1907/2006/EC with all amendments)
RoHS	Directive of the European Parliament and the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment (Directive 2002/95/EC with all amendments)
SFS	Swedish Code of Statutes (Svensk författningssamling)
ChemRRV	Swiss ordinance on reduction of chemical risks (Chemikalien-Risikoreduktions-Verordnung)
TSCA	Toxic Substances Control Act

3) Fixed batteries are those which cannot be removed without effort from the appliances. They are soldered, welded or in some other manner permanently connected to the contacts

4) Asbestos as defined in the JOINT INDUSTRY GUIDE – JIG-101 Edition 4.0 Annex B
Internet: http://www.ce.org/Standards/JIG_101_Ed_4.0.pdf

5) Ozone Depleting Substances as defined in the JOINT INDUSTRY GUIDE – JIG-101 Edition 4.0 Annex B
Internet: http://www.ce.org/Standards/JIG_101_Ed_4.0.pdf

6) Fluorinated Greenhouse Gases as defined in the JOINT INDUSTRY GUIDE – JIG-101 Edition 4.0 Annex B
Internet: http://www.ce.org/Standards/JIG_101_Ed_4.0.pdf

Part 2: Hazardous substances restricted by Fujitsu Group

No	Substance/ Substance group	CAS No.	Affected application	Limit value (wt.%) ⁷⁾	Remark
500x	Phthalate		All applications	0.1	Legal restrictions for toys. Substances of Very High Concern (SVHC) regarding REACH
5001	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7			
5002	Dibutyl phthalate (DBP)	84-74-2			
5003	Benzyl butyl phthalate (BBP)	85-68-7			
▶ 5004	<i>Diisobutyl phthalate (DIBP)</i>	<i>84-69-5</i>			

Remark:

The symbol ▶ in conjunction with a text in ***bold and italic type*** indicates changes to the version from April 2010.