

# Substances of Concern List

Version 4

A wide variety of chemicals is required in the manufacturing of semiconductors, some of which are hazardous substances.

At Infineon Technologies AG, we responsibly manage the handling of Substances of Concern (SoC) to safeguard human health and environmental protection, as well as human rights, fair business practices and others reflected in our Principles of Purchasing.

Independent of the supplier's obligation to comply with the requirements of applicable regulations, Infineon Technologies AG requires the declaration of substances referred to in the following lists of regulations and substances.

Infineon Technologies AG recognizes the need to identify and control the materials and substances used in its products and sales packaging, applying these mandatory requirements worldwide.

The supplier shall provide the filled in and signed reporting letter "Declaration on Substances of Concern" <sup>1)</sup> to Infineon Technologies AG, Dept. Business Continuity (MatQ), Am Campeon 1-15, D-85579 Neubiberg, Germany or email to [ICP-support@infineon.com](mailto:ICP-support@infineon.com) .

The Infineon Technologies AG Substance of Concern list is subject to change in light of further scientific evidence, legislation or other facts. It is the responsibility of the supplier to check for changes in the Substance of Concern list, prior to any product delivery to Infineon Technologies AG, and provide an updated "Supplier Declaration on SoC" accordingly.

Further, the supplier is responsible to update the Supplier Declaration on SoC in case of any changes in the material composition of the products and packing delivered to Infineon Technologies AG.

<sup>1)</sup> <http://www.infineon.com/cms/en/product/technology/products-material-declaration/index.html>

**These substances are regulated by Laws and standards**

These substances are regulated by Laws and standards					
Substances & Regulations			Thresholds & Requirements		
	Substance Groups	Regulations	Classification	Reason	Threshold
1	REACH and its amendments	<a href="#">(EC) 1907/2006</a>	B/R	LR	in accordance with the regulations
2	Restricted under REACH	<a href="#">REACH Annex XVII</a>	B/R	LR	in accordance with the regulations
3	Authorized under REACH	<a href="#">REACH Annex XIV</a>	B/R	LR/FI	in accordance with the regulations
4	Substance of Very High Concern (SVHC) under REACH (Candidate List)	<a href="#">REACH cSVHC</a>	B/R	LR	in accordance with the regulations
5	RoHS (2015)	<a href="#">2015/863/EU</a>	B/R	LR	in accordance with the regulations
6	Global Automotive Declarable Substance List (GADSL)	<a href="#">GADSL</a>	B/R	LR/FI	in accordance with the regulations stated in GADSL
7	Ozone Depleting Substances (ODS)	<a href="#">(EC) 1005/2009</a> <a href="#">Montreal protocol</a>	B	LR	in accordance with the regulations
8	Listed in the Safe Drinking Water and Toxic Enforcement Act of 1986	<a href="#">Proposition 65</a>	B/R	LR/FI	in accordance with the regulations
9	Persistent Organic Pollutants (POP)	<a href="#">2019/1021/EU</a> <a href="#">EC/850/2004</a>	B/R	LR	in accordance with the regulations
10	Conflict Minerals	<a href="#">2017/821/EU</a> <a href="#">Dodd–Frank Wall Street Reform and Consumer Protection Act</a>	B/R	LR	in accordance with the regulations
11	Greenhouse Gases	<a href="#">EU/517/2014</a> <a href="#">EC/842/2006</a>	B	LR	in accordance with the regulations
12	Radioactive Substances	<a href="#">EU/59/2013</a> <a href="#">NRC Regulation Title 10</a> <a href="#">NRA Act No.167 of 1957</a>	B/R	LR	in accordance with the regulations
13	Local chemical control laws	Japan: <a href="#">CSCL</a> Norway: <a href="#">FOR-2004-06-01-922</a> Canada: <a href="#">Prohibition of Certain Toxic Substances Regulations SOR 2012/285</a> German: <a href="#">ChemVerbotV</a> USA: US TSCA 40 CFR 721. 1660 part of <a href="#">Toxic Substances Control Act (TSCA)</a>	B/R B/R B/R B/R B/R	LR/FI LR LR LR LR	in accordance with the regulations
14	Nanoparticles	<a href="#">EU/2011/696</a>	Reportable	LR	in accordance with the regulations

		<a href="#">France; Belgium; Denmark; Norway; Sweden</a>			
15	Packaging directives	Packaging and Waste: <a href="#">94/62/EC</a>	R	LR	in accordance with the regulations
		Classification, Labelling and Packaging: <a href="#">1272/2008/EC</a>	R	LR	
16	Biocidal products	<a href="#">EU/528/2012</a>	B/R	LR	in accordance with the regulations
17	Volatile Organic Compounds (VOC)	China: <a href="#">GB 30981-2020</a> for industrial protective coatings	B/R	LR	in accordance with the regulations
		<a href="#">GB 33372-2020</a> for VOCs in adhesive	B/R	LR	
		<a href="#">GB 38507-2020</a> for VOCs in printing ink	B/R	LR	
		<a href="#">GB 38508-2020</a> for VOCs in cleaning agent	B/R	LR	
		USA: <a href="#">VOC regulations by EPA</a>	B/R	LR	
		Hong Kong: <a href="#">Air Pollution Control</a>	B/R	LR	
18	Substances on IEC 62474 database	<a href="#">IEC 62474</a>	B/R	LR/FI	in accordance with the database
19	40 CFR Part 751 Regulation of Persistent, Bioaccumulative, and Toxic Chemicals Under TSCA Section 6(h)	<a href="#">TSCA Regulations</a>	B/R	LR	in accordance with regulations

B = Banned
R = Restricted
LR = Legally Required
FI = For Information

These substances are regulated by Infineon				
	Substances	CAS-no.	Reason	Reporting Thresholds <sup>2)</sup> (Any content greater than)
1	Antimony and Antimony compounds	Several	FI	0 ppm
2	Arsenic and Arsenic compounds	Several	FI	25 ppm
3	Benzidine and Benzidine based substances	Several	FI	0 ppm
4	Beryllium and Beryllium compounds	Several	FI	0 ppm
5	Bismuth and Bismuth compounds	Several	FI	1000 ppm
6	Boron and Boron compounds	Several	FI	1000 ppm
7	Brominated and Chlorinated compounds (if not specific listed)	Several	FI	900 ppm
8	Cadmium and Cadmium compounds	Several	FI	2 ppm
9	Chlorinated Paraffins (CP)	Several	FI	0 ppm
10	Chromium (Cr) and its compounds	Several	FI	0.2 ppm
11	Cyanide and Nitrile compounds	Several	FI	0 ppm
12	Diethylenetriaminepentaacetic acid (DTPA)	67-43-6	FI	0 ppm
13	Dimethyl Fumarate	624-49-7	FI	0 ppm
14	Disperse dyes	Several	FI	1000 ppm
15	Ethylenediaminetetraacetic acid (EDTA)	60-00-4	FI	0 ppm
16	Halogenated Flame Retardant (other than PBBs and PBDEs)	Several	FI	0 ppm
17	Halogenated polycyclic aromatic hydrocarbons	Several	FI	0 ppm
18	Isocyanates	Several	FI	1000 ppm
19	Lead and Lead compounds	Several	FI	0 ppm
20	Long-chain perfluorocarboxylic acid (LCPFCA) C9-C20 and its salts and related substances	Several	FI	0 ppm
21	Mercury and Mercury compounds	Several	FI	0 ppm
22	Nickel and its compounds	several	FI	0 ppm
23	<b>Per- and polyfluoroalkyl substances (PFAS)<sup>3)</sup></b> <a href="https://echa.europa.eu/documents/10162/f605d4b5-7c17-7414-8823-b49b9fd43aea">https://echa.europa.eu/documents/10162/f605d4b5-7c17-7414-8823-b49b9fd43aea</a>	several	FI	0 ppm
24	Perchlorates	Several	FI	0 ppm
25	Perfluorohexane sulfonic acid (PFHxS) and its salts and related substances	Several	FI	0 ppm
26	Perfluorohexanoic acid (PFHxA) and its salts and related substances	Several	FI	0 ppm
27	Perfluorooctane sulfonates (PFOS)	Several	FI	0 ppm
28	Phenol and Phenol compounds	Several		0 ppm
29	Phosphorus and Phosphorus compounds	several	FI	0 ppm
30	Phthalates	Several	FI	0 ppm
31	Polybrominated Biphenyls (PBBs)	Several	FI	0 ppm
32	Polybrominated Diphenyl Ethers (PBDEs)	Several	FI	0 ppm

MatQ-SoC List- V4-2023-338

Classification: <b>public</b>	Version: <b>see DMS</b>	Document number: <b>Z8F80157531</b>	Date: <b>2023-07-27</b>	Page / Pages: <b>4 / 5</b>
----------------------------------	----------------------------	--	----------------------------	-------------------------------

33	Polychlorinated Biphenyls and Terphenyls (PCBs, PCTs)	1336-36-3 61788-33-8	FI	0 ppm
34	Polycyclic Aromatic Hydrocarbons (PAH); 16 Isomeres	Several	FI	0 ppm
35	Polyvinyl Chloride (PVC) and Vinyl Chloride	9002-86-2 75-01-4	FI	0 ppm
36	Sulphur	7704-34-9	FI	0 ppm
37	Tar oils and Creosotes	Several	FI	0 ppm
38	Tellurium and Tellurium compounds	Several	FI	1000 ppm
39	Tetrachloroethylene	127-18-4	FI	0 ppm
40	Toluene	108-88-3	FI	16 ppm

2): “0 ppm“ means any intentional and non- intentional content has to be reported towards Infineon ([ICP-support@infineon.com](mailto:ICP-support@infineon.com) ) using the document “ [Supplier declaration on Substances of concern](#)”.

3): Per-and polyfluoroalkyl substances (PFAS): Any substance that contains at least one fully fluorinated methyl (CF<sub>3</sub>-) or methylene (-CF<sub>2</sub>-) carbon atom (without any H/Cl/Br/I attached to it).