

1. LIST of PROHIBITED SUBSTANCES

Chemical substances which must not occur in products or processes

GROUP	Chemical name	Cas-no.	Risk	Application
Metals	- Lead chromate	7758-97-6	C, A, E, N	Pigments
	- Lead and compounds ¹	7439-98-7	E	Electrical equipment
	- Cadmium and compounds ¹	7440-43-9	C	Electrical equipment
	- Mercury and compounds ¹	7439-97-6	N, E	Electrical equipment
	- Chromium (VI) compounds ¹	7440-43-3	A	Surfactants
CFC gasses ³	- CFC 11	75-69-4	O	Refrigerants and solvents
	- CFC 113	76-13-1	O	
	- CFC 114	76-14-2	O	
	- CFC 115	76-15-3	O	
	- CFC 12	75-71-8	O	
HCFC gasses	- HCFC 22 ²	75-45-6	O	Foaming agents and solvents
	- HCFC 141 b	1717-0-6	O	
	- HCFC 142 b	75-68-3	O	
BFC gasses	- Halon 1211	353-59-3	O	Fire extinguishing agents
	- Halon 1301	75-63-8	O	
	- Halon 2402	124-73-2	O	
Brominated flame retardants and phalates	- Polybrominated biphenyls (PBB) ¹		E, N, C	Flame retardants in plastics
	- Polybrominated diphenyl ether (PBDE)		E	
Phtalates	- Bis(2-ethylhexyl) phthalate (DEHP) ¹	117-81-7	E	Plasticizers to soften plastics
	- Butyl benzyl phthalate (BBP) ¹	85-68-7	E	
	- Dibutyl phthalate (DBP) ¹	84-74-2	E	
	- Diisobutyl phthalate (DIBP) ¹	84-69-5	E	
Chlorinated hydrocarbons	- Polychlorinated biphenyls (PCB)	1336-36-3	E	Insulants
	- Chlorinated paraffins	63449-39-8	E	Plastics
	- Hexachlorobutadien	87-68-3	E, T	Solvents
	- Carbontetrachloride	56-23-5	O, C, T	Solvents
	- Methylchloride	75-09-2	C	Solvents
	- Chlorobromomethane	74-97-5	O	Solvents
Halogenated flame retardants	- Red Phosphorous	7723-14-0	CO,T	Electrical equipment

¹ According to EU RoHS directive, ² Not applicable as refrigerant, ³ According to 2015 regulations of GWP>150.... ⁴ According to Delta environmental doc. 10000-0162 Rev. 25.1

**C=cancer, A=allergy, E=environmental hazards, N=neurotoxic, T=toxic,
O=ozone depletion, R=reproductive hazards, CO=Corrosive**

2. LIST of RESTRICTED SUBSTANCES

Chemical substances which should be avoided in products or processes

GROUP	Chemical name	Cas-no.	Risk	Application
Metals	- Antimony and compounds	7440-36-0	T	Electronic equipment
	- Arsenic and compounds	7440-38-2	T	Electronic equipment
	- Beryllium and compounds	7440-41-7	T	Electronic equipment
	- Bismuth	-	E	Electronic equipment
	- Nickel and compounds	7440-02-0	A	Electronic equipment
Halogenated flame retardants	- Tetrabromobiphenol A (TBBA)	79-94-7	E	PCB
			E	Plastics and textiles
Halogenated hydrocarbons	- Fluorocarbons (FC)	(various)	GWP	Refrigerants
	- Chlorofluorohydrocarbons (CFHC)	(various)	O	Refrigerants
	- Fluorohydrocarbons ² (FHC)	(various)	GWP	Solvents
	- Tetrachloroethylene	127-18-4	C	Solvents
	- Trichloroethylene	79-01-6	C	Solvents
Hardeners	- 2,4-Toluene diisocyanate	584-84-9	A	Polyurethane foam
	- 2,6-Toluene diisocyanate	91-08-7	A	Polyurethane foam
Inorganic compounds	- Sulphurhexafluoride....	2551-62-4	GWP	Plasma
Organic compounds	- Azo compounds with amino compounds	(various)	C	LCD
	- Ethylenediaminetetraacetate (EDTA)			
	- Formaldehyde	64-02-8	E	Complexer
	- 2-etoxyethanol	50-00-0	A, C	Preservatives
	- 2-etoxyethanolacetate	110-80-5	R	Solvents
	- 2-metoxyethanol	111-15-9	R	Solvents
	- 2-metoxyethanolacetate	109-86-4	R	Solvents
		110-49-6	R	Solvents
Plasticisers	- Di(2-ethylhexyl)phtalate	117-81-7	E	PVC
Biocides	- Organic tin compounds	(various)	E, T	Cooling water

² Not applicable as refrigerant

C=cancer, A=allergy, E=environmental hazards, N=neurotoxic, T=toxic, O=ozone depletion, R=reproductive hazards, GWP=global warning potential

VERSION HISTORY

#	Date	Approved by:	Major/minor	Description
10	2021-12-02	frvano	Major	Changed name of list from Eltek Black and Grey List to Eltek List of Prohibited and Restricted Substances
9	2019-05-23	frvano	Major	Updated according to latest Delta regulations (10000-0162 R25) (changes under Phtalates in Black List.)
8	2017-11-17	frvano	Major	Updated according to latest regulations
7	2016-06-21	frvano	Major	Updated according to latest regulations
1-6				Older history not kept in this document.