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Document title

OneCos lista med förbjudna ämnen och begränsade ämnen

Listorna innehåller ämnen som strider mot OneCos miljöpolicy och åtagande. Inköp av nya produkter innehållande dessa ämnen är därför förbjudet. Ämnena får inte förekomma i produkter och förpackningar eller tjänster som används inom OneCo och av dess underleverantörer.

1. SYFTE

OneCo har infört listorna över förbjudna och begränsade ämnen (svarta och grå listor) för sitt behov av att identifiera och kontrollera de material och ämnen som används i de produkter och förpackningar eller tjänster som används av OneCo eller levereras till kunderna. Målet med att förbjuda och begränsa dessa ämnen i produkterna och vår verksamhet är att säkerställa att produkterna och vår verksamhet är säkra för människor och inte orsakar skada för miljön. Listan över förbjudna ämnen (Black list) är baserad på globala lagkrav och nationella rättsliga skyldigheter och OneCos miljöpolicy. Listan över ämnen som ska begränsas (Grålistan) innehåller förutom globala och nationella rättsliga skyldigheter och OneCos miljöpolicy, även marknadskrav.

2. VILLKOR OCH FÖRKORTNINGAR

Terms and abbreviations	Definition
REACH	Regulation of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals
RoHS	Restriction of Hazardous Substances Directive
CAS	Chemical Abstract Service
EC Number	European Community number
ECHA	European Chemical Agency

3 MÅL OCH KRAV

Målet med OneCos svarta och gråa listor är att säkerställa att OneCo följer sin miljöpolicy, befintliga och förväntade miljölagstiftnings- och marknadskrav.

3.1 OneCos lista med förbjudna ämnen (svart lista)

Förutom lagliga förbud mot vissa kemikalier och material får följande ämnen inte finnas i produkter och tjänster till OneCo, och de får inte heller finnas i entreprenad eller tillverkningsprocesser för dessa produkter och tjänster. Detta avser all avsiktlig användning av det angivna ämnet men gäller inte i fall där ett ämne består av föroreningar med låg koncentration¹.

Att notera: Alla kemikalier som används vid entreprenad ska utvärderas separat, enligt specifika procedurer och riskbedömningar.

¹ The maximum allowed concentration by weight of the substances is <0,1% in homogeneous materials (in cables, connector pipes and joint plates, pigment in crystal glass, in lead petrol, in polymers and in electronic equipment if not stated otherwise). Exemption: Maximum allowed concentration by weight of Cadmium: <0,01%. For allowed concentrations of Chromium in Cement and Cadmium and Mercury in batteries, please contact Telia Company for additional information.

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Banned substances (Black list)				
<u>Group</u>	<u>Substance</u>	<u>CAS no²</u>	<u>Banned usage</u>	<u>Legislation</u>
	2-benzotriazole-2-yl(4,6-ditert-butyl-phenol	3846-71-7	All applications	REACH: Candidate list
	4,4'-diaminodiphenylmethane (MDA)	101-77-9	All applications	REACH: Candidate list
Arsenic/arsenic compound ³		Several	In wood preservation substances	REACH: Annex XVII
Asbestos		Several	All applications	REACH: Annex XVII
Azocolourants and azodyes that can decompose to carcinogenic aromatic amines ⁴		Several	All applications	REACH: Annex XVII
Benzidine incl. salts, 4-aminobiphenyl incl. salts, thiocarbamide, phenyl -β- naphthyl amine		Several	All applications	REACH: Annex XVII
	Benzyl butyl phthalate (BBP)	85-68-7 201-622-7 (EC)	All applications	REACH: Annex XVII
	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7 204-211-0 (EC)	All applications	REACH: Annex XVII
	Beryllium Oxide	1304-56-9	All applications	
Cadmium and cadmium compounds		Several	All applications except of batteries for special applications ⁵	REACH: Annex XVII
Chromium (VI) compounds	Chromium (VI) compounds: lead chromate in general, and chromium (VI) compounds in pigments	Several	All applications	REACH: Annex XVII
	Cobalt dichloride ⁶	7646-7991	All applications	REACH: Candidate list
Creosote			All applications except for	REACH: Annex XVII

² EC number if available

³ Arsenic and arsenic compounds on trace element level is acceptable.

⁴ EU Directive 2002/61/EC

⁵ Exception: Nickel-cadmium batteries in stationary applications where other types of batteries is not suitable due to extreme temperatures or charging procedures. Approval is required by EU.

⁶ Note: Restricted under EC no 231-589-4

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Banned substances (Black list)				
<u>Group</u>	<u>Substance</u>	<u>CAS no²</u>	<u>Banned usage</u>	<u>Legislation</u>
			wood preservation (poles)	
	Dimethylfumarate (DMFu)	624-49-7	All applications	REACH: Annex XVII
	Formaldehyde	50-00-0	Preservative in wood ⁷	CoRAP + EC list no: 200-001-8
Lead/ Lead compounds		Several	All applications except for lead acid batteries and lead sheeted cable maintenance ⁸	REACH: Annex XVII
CFCs – Chlorofluorocarbons		Several	All applications	The Montreal Protocol and EC/1005/2009
Halons		Several	All applications	The Montreal Protocol and EC/1005/2009
HCFCs – Hydrochlorofluorocarbons		Several	All applications	The Montreal Protocol and EC/1005/2009
	Bromochloromethane	74-97-5	All applications	The Montreal Protocol and EC/1005/2009
	Carbon tetrachloride	56-23-5	All applications	The Montreal Protocol and EC/1005/2009
	Methyl bromide	74-83-9	All applications	The Montreal Protocol and EC/1005/2009
	Methylene chloride	75-09-2	All applications	REACH: Annex XVII
	n-bromopropane	106-94-5	All applications	The Montreal Protocol and EC/1005/2009
	Tetrachloroethylene	127-18-4	All applications	The Montreal Protocol and EC/1005/2009
	1.1.1-trichloroethane	71-55-6	All applications	The Montreal Protocol and

⁷ Formaldehyde level <0.124 mg/m³ air (E1-norm according to test method EN 717-1) or <3.5 mg/m³ air (test method EN 717-2).

⁸ EU RoHS directive accepts concentration by weight <0,1% in homogeneous materials such as cables, connector pipes and joint plates, as pigment in crystal glass, in lead petrol and as additives in polymers and solders in electronic equipment. Stated exemptions in Annex III to the RoHS directive, 2011/65/EU, and its amendments can be used until OneCo communicates otherwise. Suppliers must inform OneCo in advance of the delivery regarding material content! OneCo takes a restrictive standpoint towards use of lead in solders in servers, storage and array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunication. The RoHS exemption 7b may only be used in deliveries under specific situations agreed by OneCo in advance. Lead plates can be used in lead shielded cable repair if lead free alternatives do not exist.

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Banned substances (Black list)				
<u>Group</u>	<u>Substance</u>	<u>CAS no²</u>	<u>Banned usage</u>	<u>Legislation</u>
				EC/1005/2009
	Trichloroethylene	79-01-6	All applications	The Montreal Protocol and EC/1005/2009
	1,2,4-Trichlorobenzene (TBC)	120-82-1	All applications	The Montreal Protocol and EC/1005/2009
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified		25637-994 3194-55-6 13423750-6 13423751-7 13423752-8	All applications	REACH: Annex XVII
Isocyanates		Several, for instance in thermoplastics and urethanes	All applications except in manufacturing processes	REACH: Restriction proposals
Mercury/ Mercury compounds		Several	All applications	REACH: Annex XVII
Perfluorooctanoic acid (PFOA)	Pentadecafluorooctanoic acid Ammonium pentadecafluorooctanoate Sodium pentadecafluorooctanoate Potassium pentadecafluorooctanoate Silver pentadecafluorooctanoate Pentadecafluorooctanoyl fluoride Methyl pentadecafluorooctanoate Ethyl perfluorooctanoate	335-67-1 3825-26-1 335-95-5 2395-00-8 335-93-3 335-66-0 376-27-2 3108-24-5	All applications	REACH: Annex XVII
Nonadecafluorodecanoic acid and its sodium and ammonium salts (PFDA)	nonadecafluorodecanoic acid ammonium nonadecafluorodecanoate; sodium nonadecafluorodecanoate	Several, among them 607720-00-X	All applications	REACH: Annex XVII ECHA: candidate list (CMR)
Perfluorooctane sulfonic acid and its derivatives (PFOS)		Several	All applications	REACH
	Nonylphenol	25154-523	All applications	REACH: Annex XVII
	Nonylphenol ethoxylate (Nonylphenolpolyglycol ethers)	9016-45-9	All applications	REACH: Annex XVII
Nonylphenoethoxylates Organostannic compounds			All applications	REACH: Annex XVII
	Acrylamide	1979-0601	All applications	REACH: Annex XVII
PBB – Polybrominated biphenyls			All applications	RoHS ECHA
PBDE –		Several	All	RoHS

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Banned substances (Black list)				
<u>Group</u>	<u>Substance</u>	<u>CAS no²</u>	<u>Banned usage</u>	<u>Legislation</u>
Polybrominated diphenylethers (including decaBDE)			applications ⁹	
Phthalate plasticizers	DEHP Dibutyl phthalate (DBP) Diisobutyl phthalate (DIBP) BBP	Several, such as: 84-74-2 201-557-4 84-69-5	All applications	REACH: Annex XIV and Annex XVII
Polychlorinated Biphenyls (PCB)		Several	All applications	EUR-Lex and ECHA
Polychlorinated Naphtalenes (PCN)		Several	All applications	CoRAP
Polychlorinated Terphenyls (PCT)		Several	All applications	REACH: Annex XVII
	Short Chained Chlorinated Paraffins (C10-C13)	85535-848	All applications	REACH: Candidate list and ECHA
	Tris (2-chloroethyl) phosphate	115-96-8	All applications	REACH: Candidate list and ECHA
Tri-substituted organostannic compounds (including Tributyl tin and Triphenyl tin compounds)		Several	All applications	ECHA
Pesticides / Herbicides		Several	Construction work and real estate	Herbicides such as Glyphosate is not to be used at OneCo premises or during construction and maintenance or field work on behalf of OneCo.
	Dieldrin		All applications	ECHA
	Lindane	Several	All applications	EU / Sweden: Banned according to the Stockholm Convention

⁹ Reactive appointed TBBP exemption to the ban.

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3.2 OneCos lista med ämnen som skall undvikas - Grå lista

Ämnena skall så långt möjligt undvikas i produkter som hanteras av OneCo eller dess underentreprenörer. Inköp av produkter som innehåller dessa ämnen får endast göras om inte rimliga alternativ finns och måste då motiveras. Ämnen/kemisk produkt skall då bedömas separat, enligt särskilda rutiner för riskbedömning.

Följande ämnen är under utvärdering och bör undvikas i alla produkter och tjänster, varken inkluderade i kontrakts- eller tillverkningsprocesser av produkter och tjänster till OneCo. Detta avser all avsiktlig användning av det angivna ämnet men gäller inte i fall där ett ämne består av föroreningar med låg koncentration¹⁰.

Att notera: Alla kemikalier som används vid entreprenad ska utvärderas separat, enligt specifika procedurer och riskbedömningar.

Observera att producenten/leverantören ska kunna rapportera innehållet i alla specificerade material/ämnen som listas nedan inklusive kemikalier som anges i REACH-kandidatlistan på begäran av OneCo.

Restricted substances (Grey list)			
<u>Group</u>	<u>Substance</u>	<u>CAS no¹¹</u>	<u>Reason for concern and reference</u>
	4,4'-Isopropylidendiphenol Bisphenol A (BPA)	80-05-7	REACH: Candidate list
	1,2-Benzene-dicarboxylic acid, diC6-8-branched alkyl esters, C7- rich (DIHP)	71888-89-6	REACH: Candidate list
	1,2-Benzene-dicarboxylic acid, diC7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	REACH: Candidate list
Antimony and its compounds		Several	Toxic
Aromatic amines ¹²		Several	Carcinogenic
Beryllium and its compounds		Several	BeO: Carcinogenic. Beryllium alloys can form BeO when recycled.
	Bis(2-methoxyethyl) phthalate	117-82-8	REACH: Candidate list
Bismuth and its compounds		Several	Negative for recycling
Chlorinated polymers		Several	Can create toxic substances when recycled
Fluorocarbons – FC		Several	Global warming
Fluorohydrocarbons –		Several	Global warming

¹⁰ The maximum allowed concentration by weight of the noted substances is <0,1% in homogeneous materials such as in cables, connector pipes and joint plates, pigment in crystal glass, in lead petrol, in polymers and in electronic equipment if not stated otherwise. For the following substance the maximum allowed concentration is: Cadmium <0,01%. For allowed concentrations of Chromium in Cement and Cadmium and Mercury in batteries, please contact Telia Company for additional information.

¹¹ EC number if available

¹² Except for the ones that's banned according to 2002/61/EC

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Restricted substances (Grey list)			
<u>Group</u>	<u>Substance</u>	<u>CAS no¹¹</u>	<u>Reason for concern and reference</u>
HFC			
	Formaldehyde	50-00-0	Carcinogenic
Halogenated flame retardants except brominated of the types PBB and PBDE which are prohibited ¹³		Several	Can create toxic substances when recycled
Lead/lead compounds in batteries. Certain applications are banned		7439-92-1	Toxic
Manganese and Manganese compounds (and dioxide)		7439-96-5 1313-13-9	Toxic
Medium chained chlorinated paraffin's C14-C17		Several	Toxic
Nickel and its alloys, except in steel alloys		Several	Allergenic
	Nitrogen trifluoride	7783-54-2	Global warming
Perchlorates		Several	Labeling requirements
Phthalate (Except the ones that is banned)		Several	Carcinogenic
Polycyclic Aromatic Hydrocarbons (PAH)		Several	Carcinogenic
Poly Vinyl Chloride (PVC)		Several	Can create toxic substances when recycled + HCl in fire
Radioactive substances		Several	Carcinogenic
Selenium and selenium compounds		7782-49-2	Toxic
	Sodium dichromate	10588-01-9 7789-12-0	Carcinogenic, mutagenic and toxic to reproduction
	Sulfur hexafluoride, SF6	2551-62-4	Global warming
	N,N'-bis(1,4-dimethylpentyl)-p-phenylenediamine (77PD)	3081-14-9	Toxic
	N-1,3-dimethylbutyl-N'-phenyl-pphenylenediamine (6PPD)	793-24-8	Toxic
	N-(cyclohexylthio)phthalimide	17796-82-6	Toxic
	4-(1,1,3,3- tetramethylbutyl)phenol	140-66-9	Toxic
Thermosetting Plastic's (Acrylate, Amino, Epoxy, Urethane-PUR incl. isocyanates and diisocyanates).	Such as but not limited to: '2,3-epoxypropyl methacrylate; glycidyl methacrylate, dibutyltin dilaurate and dibutyl[bis(dodecanoyloxy)]stannane	Examples: 607-12300-4, 203-441-9 106-91-2 050-03000-3	REACH: Annex XVII ECHA (CMR)
All substances on the REACH candidate list ¹⁴ that have not been specified above		Several	Several

¹³ See OneCo's "Black list"

¹⁴ <http://echa.europa.eu/candidate-list-table>

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Ovanstående mål och krav gäller i den mån de inte placerar OneCo i strid med inhemska lagar och förordningar.