

REACH ANNEX XVII RESTRICTION LIST TAILORED FOR VACCO HARDWARE DATED: March 14, 2018

REACH, TITLE VIII, PLACES RESTRICTIONS ON THE MANUFACTURING, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES.				
TITLE VIII, ARTICLE 67, REQUIRES THAT SUBSTANCES RESTRICTED PER ANNEX XVII MUST COMPLY WITH THE RESTRICTIONS MENTIONED IN ANNEX XVII.				
THIS TABLE IS A TAILORING OF ANNEX XVII, SHOWING THE RESTRICTIONS THAT ARE APPLICABLE TO VACCO HARDWARE.				
IF ANY OF THE SUBSTANCES ON THIS LIST ARE USED, THE REACH DOCUMENT SHOULD BE CONSULTED FOR THE EXACT VERBIAGE OF THE RESTRICTION				
Entry #	Designation of the substance, of the group of substances or of the preparation	CAS #	Summary of the Relevant Conditions of Restriction See Reach Document for exact text.	Mass limitation (by weight)
1	Polychlorinated terphenyls (PCT)		Shall not be placed on the market, or used, - as substances; - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0,005 % by weight).	0.005%
5	benzene	CAS No 71-43-2	3. Shall not be placed on the market, or used, - as a substance, - as a constituent of other substances, or in mixtures, in concentrations greater to, or greater than 0,1 % by weight.	0.1%
6	asbestos fibers (a) Crocidolite (b) Amosite (c) Anthophyllite (d) Actinolite (e) Tremolite (f) Chrysotile	(a) CAS No 12001-28-4 (b) CAS No 12172-73-5 (c) CAS No 77536-67-5 (d) CAS No 77536-66-4 (e) CAS No 77536-68-6 (f) CAS No 12001-29-5 CAS No 132207-32-0	1. The manufacture, placing on the market and use of these fibres and of articles and mixtures containing these fibres added intentionally is prohibited.	not used
12	2-Naphthylamine and its salts	CAS No 91-59-8	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.	0.1%
13	Benzidine and its salts	CAS No 92-87-5		
14	4-Nitrobiphenyl	CAS No 92-93-3		
15	4-Aminobiphenyl xenylamine and its salts	CAS No 92-67-1		
16	Lead carbonates: (a) Neutral anhydrous carbonate (PbCO ₃) (b) Trilead-bis(carbonate)-dihydroxide 2Pb CO ₃ - Pb(OH) ₂	(a) CAS No 598-63-0 (b) CAS No 1319-46-6	Shall not be placed on the market, or used, as substances or in mixtures, where the substance or mixture is intended for use as paint.	not used
17	Lead sulphates: (a) PbSO ₄ (b) Pb ₂ SO ₄	(a) CAS No 7446-14-2 (b) CAS No 15739-80-7	Shall not be placed on the market, or used, as substances or in mixtures, where the substance or mixture is intended for use as paint.	not used
20	Organostannic compounds		4. Tri-substituted organostannic compounds: (a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.	0.1%
21	Di-μ-oxo-di-n-butylstanniohydroxyborane / dibutyltin hydrogen borate C ₈ H ₁₉ BO ₃ Sn (DBB)	CAS No 75113-37-0	Shall not be placed on the market, or used, as a substance, or in mixtures in a concentration equal to, or greater than 0,1 % by weight. However, the first paragraph shall not apply to this substance (DBB) or mixtures containing it if these are intended solely for conversion into articles, among which this substance will no longer feature in a concentration equal to or greater than 0,1 %.	0.1%
22	Pentachlorophenol and its salts and esters	CAS No 87-86-5	Shall not be placed on the market, or used, — as a substance, — as a constituent in other substances, or in mixtures, in a concentration equal to or greater than 0,1 % by weight.	0.1%
23	Cadmium and its compounds	CAS No 7440-43-9	1. Shall not be used in mixtures and articles produced from the following synthetic organic polymers (hereafter referred to as plastic material): — polymers or copolymers of vinyl chloride (PVC) — polyurethane (PUR) — low-density polyethylene (LDPE), with the exception of low-density polyethylene used for the production of coloured masterbatch — cellulose acetate (CA) — cellulose acetate butyrate (CAB) — epoxy resins — melamine-formaldehyde (MF) resins — urea-formaldehyde (UF) resins — unsaturated polyesters (UP) — polyethylene terephthalate (PET) — polybutylene terephthalate (PBT) — transparent/general-purpose polystyrene — acrylonitrile methylmethacrylate (AMMA) — cross-linked polyethylene (VPE) — high-impact polystyrene — polypropylene (PP) Mixtures and articles produced from plastic material as listed above shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0,01 % by weight of the plastic material. 2. Painted articles shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0,1 % by weight of the paint on the painted article.	0.01% of the plastic 0.1% of the paint
24	Monomethyl – tetrachlorodiphenyl methane. Trade name: Ugilec 141	CAS No 76253-60-6	Shall not be placed on the market, or used, as a substance or in mixtures. Articles containing the substance shall not be placed on the market.	not used
25	Monomethyl-dichloro-diphenyl methane. Trade name: Ugilec 121, Ugilec 21;			
26	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: (DBBT)	CAS No 99688-47-8		

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TITLE VIII, ARTICLE 67, REQUIRES THAT SUBSTANCES RESTRICTED PER ANNEX XVII MUST COMPLY WITH THE RESTRICTIONS MENTIONED IN ANNEX XVII.

THIS TABLE IS A TAILORING OF ANNEX XVII, SHOWING THE RESTRICTIONS THAT ARE APPLICABLE TO VACCO HARDWARE.

IF ANY OF THE SUBSTANCES ON THIS LIST ARE USED, THE REACH DOCUMENT SHOULD BE CONSULTED FOR THE EXACT VERBIAGE OF THE RESTRICTION

Entry #	Designation of the substance, of the group of substances or of the preparation	CAS #	Summary of the Relevant Conditions of Restriction See Reach Document for exact text.	Mass limitation (by weight)
32	Chloroform	CAS No 67-66-3	1. Shall not be placed on the market, or used,	
34	1,1,2 Trichloroethane	CAS No 79-00-5	— as substances,	
35	1,1,2,2 Tetrachloroethane	CAS No 79-34-5	— as constituents of other substances, or in mixtures in concentrations equal to or greater than 0,1 % by weight,	0.1%
36	1,1,1,2 Tetrachloroethane	CAS No 630-20-6	where the substance or mixture is intended for supply to the general public and/or is intended for diffusive applications such as in surface cleaning and cleaning of fabrics.	
37	Pentachloroethane	CAS No 76-01-7		
38	1,1 Dichloroethylene	CAS No 75-35-4		
41	hexachloroethane	CAS No 67-72-1	Shall not be placed on the market, or used, as substance or in mixtures, where the substance or mixture is intended for the manufacturing or processing of non-ferrous metals.	not used
45	Diphenylether, octabromo derivative C12H2Br8O		1. Shall not be placed on the market, or used: — as a substance, — as a constituent of other substances, or in mixtures, in concentrations greater than 0,1 % by weight. 2. Articles shall not be placed on the market if they, or flame-retardant parts thereof, contain this substance in concentrations greater than 0,1 % by weight.	0.1%
46	(a) Nonylphenol C6H4(OH)C9H19 (b) Nonylphenol ethoxylate (C2H4O) _n C15H24O	(a) CAS 25154-52-3	Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal or higher than 0,1 % by weight for the following purposes: (1) industrial and institutional cleaning except: — controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, — cleaning systems with special treatment where the washing liquid is recycled or incinerated; (5) metal working except: uses in controlled closed systems where the washing liquid is recycled or incinerated	0.1%
49	Trichlorobenzene	CAS No 120-82-1	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight for any use except; — as an intermediate of synthesis, or, — as a process solvent in closed chemical applications for chlorination reactions, or, — in the manufacture of 1,3,5-triamino — 2,4,6-trinitrobenzene (TATB).	0.1%
59	Dichloromethane	CAS No 75-09-2	1. Paint strippers containing dichloromethane in a concentration equal to or greater than 0,1 % by weight shall not be: a & b) placed on the market for supply to the general public or to professionals; c) used by professionals. 4. Paint strippers containing dichloromethane in concentrations equal to or greater than 0,1 % by weight may be used in industrial installations only if the specified minimum conditions are met.	0.1%
61	Dimethylfumarate (DMF)	CAS No 624-49-7	Shall not be used in articles or any parts thereof in concentrations greater than 0,1 mg/kg. Articles or any parts thereof containing DMF in concentrations greater than 0,1 mg/kg shall not be placed on the market.'	articles or parts thereof 0.1 mg / kg
62	phenylmercury compounds (a) Phenylmercury acetate (b) Phenylmercury propionate (c) Phenylmercury 2-ethylhexanoate (d) Phenylmercury octanoate (e) Phenylmercury neodecanoat	(a) CAS No: 62-38-4 (b) CAS No: 103-27-5 (c) CAS No: 13302-00-6 (d) CAS No: 13864-38-5 (e) CAS No: 26545-49-3	2. Articles or any parts thereof containing one or more of these substances shall not be placed on the market if the concentration of mercury in the articles or any part thereof is equal to or greater than 0,01 % by weight.	articles or parts thereof 0.01% by weight
67	Bis(pentabromophenyl)ether (decabromodiphenyl ether; decaBDE)	CAS No. 1163-19-5	1. Shall not be manufactured or placed on the market as a substance on its own after 2 March 2019. 2. Shall not be used in the production of, or placed on the market in: (a) another substance, as a constituent; (b) a mixture; (c) an article, or any part thereof, in a concentration equal to or greater than 0,1 % by weight, after 2 March 2019.	0.1%
68	Perfluorooctanoic acid (PFOA) and its salts. Any related substance (including its salts and polymers) having a linear or branched perfluoroheptyl group with the formula C7F15- directly attached to another carbon atom, as one of the structural elements. Any related substance (including its salts and polymers) having a linear or branched perfluorooctyl group with the formula C8F17- as one of the structural elements. The following substances are excluded from this designation: — C8F17-X, where X = F, Cl, Br — C8F17-C(=O)OH C8F17-C(=O)-O-X' or C8F17-CF2-X' (where X' = any group, including salts).	CAS No. 335-67-1	1. Shall not be manufactured, or placed on the market as substances on their own from 4 July 2020. 2. Shall not, from 4 July 2020, be used in the production of, or placed on the market in: (a) another substance, as a constituent; (b) a mixture; (c) an article, in a concentration equal to or above 25 ppb of PFOA including its salts or 1 000 ppb of one or a combination of PFOA-related substances.	25 ppb or 1000 ppb