

List of Banned Medicines and Substances!

World Doctors Association!



World Doctors Association

Chemical Risk Reduction Endeavour

List of banned substances

The following table provides a summary of the restrictions and prohibitions implemented on the use of dangerous Substances, Preparations and Articles, which manufacturers and traders are required to comply with regarding the manufacture and placing on the market of certain substances, preparations and articles.

Not included in the table are prohibitions and restrictions on use addressed to professional and commercial or private users, as well as other provisions such as labeling requirements, notification requirements or disposal requirements.

With regard to the use of chemicals, the enforcement of restrictions and limitations is business of governments of the relevant countries. WDA is only a advisory and technical aid authority.

This document (current as of October 2011) is provided for information only, while the original text of the WDA document sent to governments and media is kept from public exposure.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
1,1,1-Trichloroethane (CAS no. 71-55-6)	See "Ozone depleting substances"	
1,1-Dichloroethylene (CAS no. 75-35-4) 1,1,1,2-Tetrachloroethane (CAS no. 630-20-6) 1,1,2-Trichloroethane (CAS no. 79-00-5) 1,1,2,2-Tetrachloroethane (CAS no. 79-34-5)	Annex 1.3 (Chlorinated aliphatic hydrocarbons) Placing on the market of these substances, or of substances or preparations containing 0.1% or more of these substances, is prohibited.	<ul style="list-style-type: none"> • Medicinal products and cosmetics (subject to the provisions of medicinal product and food legislation) • Supply for use in closed systems in industrial processes • Analysis and research purposes
1,2,4-Trichlorobenzene (CAS no. 120-82-1)	Annex 1.1 (Halogenated organic compounds) Placing on the market of this substance, or of substances or preparations containing 0.1% or more 1,2,4-trichlorobenzene, is prohibited.	<ul style="list-style-type: none"> • Intermediate products in synthesis • Process solvents in closed systems in chlorination reactions • Analysis and research purposes
2,4,5-Trichlorophenoxyacetic acid and its salts 2,4,5-Trichlorophenoxyacetyl compounds 2-(2,4,5-Trichlorophenoxy) propionic acid and its salts 2-(2,4,5-Trichlorophenoxy) propionyl compounds	Annex 1.1 (Halogenated organic compounds) It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.	Analysis and research purposes
2-Naphthylamine (CAS no. 91-59-8) and its salts	Annex 1.13 (Nitroaromatics and aromatic amines) Placing on the market of these substances, or of substances or preparations containing 0.1% or more of these substances, is prohibited.	Analysis and research purposes
4-Aminobiphenyl (CAS no. 92-67-1) and its salts 4-Nitrobiphenyl (CAS no. 92-93-3)	Annex 1.13 (Nitroaromatics and aromatic amines) Placing on the market of these substances, or of substances or preparations containing 0.1% or more of these substances, is prohibited.	Analysis and research purposes

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Acids	<p>Annex 2.12 (Aerosol dispensers)</p> <p>It is prohibited to manufacture or place aerosol dispensers on the market if they need to be labelled with the following risk phrases on account of the acids they contain:</p> <ul style="list-style-type: none"> - R 23, R 26 (toxic or very toxic by inhalation) - R 34, R 35 (causes burns or severe burns) - R 41 (risk of serious damage to eyes) 	
Aerosol dispensers	See "Acids", "Bases", "Combustible substances", "Ozone depleting substances", "Solvents", "Substances stable in air", "Toluene" and "Vinyl chloride"	
Aldrin	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing aldrin.</p>	Analysis and research purposes
Arsenic (As) and arsenic compounds	<p>Annex 2.4 (Biocidal products)</p> <p>Placing on the market of these substances in wood preservatives, products used to protect industrial water, film preservatives in paints and varnishes, rodenticides and antifouling products (underwater coatings) is prohibited.</p>	Research and development purposes; the provisions of Chapter 3 of the Biocidal Products Ordinance (VBP) are to be noted.
Arsenic (As) and arsenic compounds	<p>Annex 2.17 (Wood-based materials)</p> <p>Wood-based materials must not contain more than 25 ppm As.</p>	
<p>Asbestos:</p> <ul style="list-style-type: none"> - Actinolite (CAS no. 77536-66-4) - Amosite (CAS no. 12172-73-5) - Anthophyllite (CAS no. 77536-67-5) - Chrysotile (CAS no. 12001-29-5) - Crocidolite (CAS no. 12001-28-4) 	<p>Annex 1.6 (Asbestos)</p> <p>Placing on the market and export of preparations and articles containing asbestos is prohibited.</p>	<p>Use of diaphragms containing asbestos for existing electrolysis installations until they reach the end of their service life, or until suitable asbestos-free substitutes become available.</p> <p><u>On receipt of a justified request, exemptions are possible</u></p>

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
- Tremolite (CAS no. 77536-68-6)		under certain conditions for: <ul style="list-style-type: none"> • placing on the market of preparations and articles containing asbestos, if no substitute material is available or if the technical characteristics of the appliance or equipment are such that it is essential to use spare parts containing asbestos • placing on the market of appliances or equipment if they were commissioned before 1 March 1990 and they only contain asbestos in small quantities and in a bound form • export of appliances or equipment only containing asbestos in small quantities and in a bound form
Azo Dyes	See "Blue Colourant" and "Textile and leather goods"	
Bases	Annex 2.12 (Aerosol dispensers) It is prohibited to manufacture or place aerosol dispensers on the market if they need to be labelled with the following risk phrases on account of the bases they contain: <ul style="list-style-type: none"> - R 23, R 26 (toxic or very toxic by inhalation) - R 34, R 35 (causes burns or severe burns) - R 41 (risk of serious damage to eyes) 	
Batteries Restrictions on heavy metal content	See "Cadmium", "Mercury" and "Vehicles"	
Batteries Mandatory charge	Annex 2.15 (Batteries) Manufacturers of batteries, and of vehicles or electrical and electronic equipment containing batteries, must pay a prepaid disposal charge for the batteries placed on the market.	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Benzene (CAS no. 71-43-2)	<p>Annex 1.12 (Benzene)</p> <p>Placing on the market of benzene, or of substances or preparations containing 0.1% or more benzene, is prohibited.</p>	<ul style="list-style-type: none"> • Supply for use in closed systems in industrial processes • Analysis and research purposes • For petrol, the provisions of the Air Pollution Control Ordinance (LRV) apply.
Benzidine (CAS no. 92-87-5) and its salts	<p>Annex 1.13 (Nitroaromatics and aromatic amines)</p> <p>Placing on the market of these substances, or of substances or preparations containing 0.1% or more of these substances, is prohibited</p>	Analysis and research purposes
<p>Blue colourant is the azo dye with the components:</p> <ul style="list-style-type: none"> - disodium-(6-(4-anisidino)-3-sulphonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)-chromate(1-) (CAS no. 118685-33-9) and - trisodium bis(6-(4-anisidino)-3-sulphonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-) (molecular formula: C₄₆H₃₀CrN₁₀O₂₀S₂.3Na) 	<p>Annex 1.13 (Azo dyes)</p> <p>It is prohibited to place on the market blue colourant, or substances or preparations containing 0.1% or more blue colourant, for dyeing textiles or leather goods.</p>	
<p>Bromochloromethane (CAS no. 74-97-5)</p> <p>Bromomethane (CAS no. 74-83-9)</p>	See "Ozone depleting substances"	
Cadmium (Cd) and cadmium compounds	<p>Annex 2.6 (Fertilisers)</p> <p>Organic fertilisers, organic mineral fertilisers, recycling fertilisers and farm manure may only be supplied if the Cd content does not exceed 1 mg/kg of dry matter. Sewage sludge must not be supplied.</p> <p>Phosphorus fertilisers containing more than 1% phosphorus may only be supplied if the Cd content does not exceed 50 mg per kg P.</p>	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
	This limit is also applicable for organic mineral fertilisers containing more than 5% phosphorus.	
Cadmium (Cd) and cadmium compounds	<p>Annex 2.8 (Paints and varnishes)</p> <p>It is prohibited for manufacturers to place on the market paints and varnishes containing 0.01% or more Cd, or articles treated with such paints and varnishes.</p>	Paints and varnishes with a high zinc content, whose Cd content does not exceed 0.1%, and articles treated with such paints or varnishes
Cadmium (Cd) and cadmium compounds	<p>Annex 2.9 (Plastics)</p> <p>It is prohibited for manufacturers to place on the market articles containing plastics with a Cd content of 0.01% or more.</p>	<ul style="list-style-type: none"> • window frames manufactured using granules recovered from window frames • Crates and pallets, provided that they are allowed to contain Cd under the provisions of Annex 2.16 No. 4
Cadmium (Cd) and cadmium compounds	<p>Annex 2.15 (Batteries)</p> <p>Portable batteries, including those incorporated into electrical and electronic equipment, must not be placed on the market if they contain more than 20 mg Cd per kilogram.</p>	<ul style="list-style-type: none"> • Emergency and alarm systems, including emergency lighting • Medical equipment • Hand-held, battery-powered power tools intended for maintenance, construction or gardening activities • In addition, the prohibitions do not apply to: <ul style="list-style-type: none"> - portable batteries first placed on the market before 1 February 2011 - electrical and electronic equipment first placed on the market before 1 October 2011 - the replacement by 31 December 2014 of portable batteries in radios for public transport and military use, if these appliances were first placed on the market before 1 October 2011 and are required to operate reliably even under extreme temperature conditions.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Cadmium (Cd) and cadmium compounds	<p>Annex 2.16 No. 2 (Cadmium-plated articles)</p> <p>It is prohibited for manufacturers to produce or place on the market cadmium-plated articles. For electrical and electronic equipment, the provisions of No. 6 of Annex 2.16 apply (see "Electrical and electronic equipment").</p>	<ul style="list-style-type: none"> • Antiques • If no substitutes are currently available: <ul style="list-style-type: none"> - aircraft, guided missiles, boat engines and their components - articles requiring both corrosion protection and sliding properties - spare parts for cadmium-plated articles
Cadmium (Cd) and cadmium compounds	<p>Annex 2.16 No. 3 (Cadmium in zinc-plated articles)</p> <p>The cadmium content of the zinc applied to zinc-plated articles must not exceed 0.025%.</p>	
Cadmium (Cd) and cadmium compounds	<p>Annex 2.16 No. 4 (Heavy metals in packaging)</p> <p>Packaging or packaging components must not contain, in total, more than 100 mg/kg Cd, Hg, Cr(VI) and Pb.</p>	<p>Plastic crates and plastic pallets, if they are manufactured using granules recovered from plastic crates and plastic pallets, and if there is no intentional introduction of heavy metals during recycling</p>
Cadmium (Cd) and cadmium compounds	<p>Annex 2.17 (Wood-based materials)</p> <p>Wood-based materials must not contain more than 50 ppm Cd.</p>	
Cadmium (Cd) and cadmium compounds	<p>See "Electrical and electronic appliances" and "Vehicles".</p>	
Capacitors and transformers	<p>Annex 2.14 (Capacitors and transformers)</p> <p>It is prohibited to place capacitors and transformers on the market if they contain</p> <ul style="list-style-type: none"> • halogenated aromatic substances such as PCBs, halogenated diarylalkanes or halogenated benzenes; or • substances or preparations containing more than 500 ppm monohalogenated or more than 50 ppm polyhalogenated aromatic substances <p>Capacitors manufactured in or before 1982 are deemed to contain pollutants.</p>	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Carbon tetrachloride (CAS no. 56-23-5)	See "Ozone depleting substances"	
Carcinogens	See "CMR substances"	
Cement	<p>Annex 2.16 No. 1 (Chromium(VI) in cements)</p> <p>It is prohibited to place on the market cement and cement-containing preparations which contain, when hydrated, more than 0.0002% soluble chromium(VI) of the total dry weight of the cement.</p>	Placing on the market for use in controlled, closed and totally automated processes, and in processes in which cement and cement-containing preparations are handled solely by machines and in which there is no possibility of contact with the skin.
CFCs: all fully halogenated chlorofluorocarbons with up to 3 carbon atoms	See "Ozone depleting substances"	
Chlordane Chlordecone (kepone)	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.</p>	Analysis and research purposes
Chlorinated paraffins, short-chain Alkanes, C ₁₀₋₁₃ , chloro (SCCP)	<p>Annex 1.2 (Short-chain chlorinated paraffins)</p> <p>It is prohibited to place on the market products of the following types if they contain more than 1% SCCP:</p> <ul style="list-style-type: none"> • paints and varnishes • sealants • plastics and rubbers • textiles • leather processing and metalworking agents 	
Chloroform (CAS no. 67-66-3)	<p>Annex 1.3 (Chlorinated aliphatic hydrocarbons)</p> <p>Placing on the market of chloroform, or of substances or preparations containing 0.1% or more chloroform, is prohibited.</p>	<ul style="list-style-type: none"> • Medicinal products and cosmetics (subject to the provisions of medicinal product and food legislation) • Supply for use in closed systems in industrial processes

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
		<ul style="list-style-type: none"> • Analysis and research purposes • On receipt of a justified request, temporary exemptions may be granted for small quantities (< 20 L per year).
Chromium (Cr), total	<p>Annex 2.6 (Fertilisers)</p> <p>Mineral fertilisers and fertilisers prepared from animal by-products are only to be supplied if the Cr content does not exceed 2000 mg/kg of dry matter.</p>	
Chromium(VI), chromate	<p>Annex 2.16 No. 1 (Chromium[VI] in cements)</p> <p>It is prohibited to place on the market cement and cement-containing preparations which contain, when hydrated, more than 0.0002% soluble chromium(VI) of the total dry weight of the cement.</p>	Placing on the market for use in controlled, closed and totally automated processes, and in processes in which cement and cement-containing preparations are handled solely by machines and in which there is no possibility of contact with the skin.
Chromium(VI), chromate	<p>Annex 2.16 No. 4 (Heavy metals in packaging)</p> <p>Packaging or packaging components must not contain, in total, more than 100 mg/kg Cr(VI), Hg, Pb and Cd.</p>	Plastic crates and plastic pallets, if they are manufactured using granules recovered from plastic crates and plastic pallets, and if there is no intentional introduction of heavy metals during recycling
Chromium(VI), chromate	See "Electrical and electronic appliances" and "Vehicles"	
CMR substances (carcinogenic, mutagenic or toxic to reproduction)	<p>Annex 1.10 (CMR substances)</p> <p>Category 1 or 2 CMR substances, and substances or preparations containing such substances, must not be supplied to the general public if they:</p> <ul style="list-style-type: none"> • are included in Annex I of Directive 67/548/EEC and • are included in Annex I of Directive 76/769/EEC 	<ul style="list-style-type: none"> • Medicinal products • Artists' paints • Motor fuels • CMR substances in cosmetics are regulated by the Ordinance on Foodstuffs and Articles of Daily Use.
Combustible substances - extremely flammable - highly flammable	<p>Annex 2.12 (Aerosol dispensers)</p> <p>It is prohibited to supply to the general public aerosol dispensers</p>	Aerosol dispensers containing substances which are

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
- flammable	for entertainment or decoration purposes which contain extremely flammable, highly flammable or flammable substances.	combustible but are not to be classified as flammable or extremely flammable according to the criteria specified in No. 1.9 of the Annex to the Aerosol Dispensers Directive (75/324/EEC)
Dangerous liquid substances and preparations, such as lamp oils and grill lighter fluids	<p>Annex 1.11 (Dangerous liquid substances)</p> <p>It is prohibited to place on the market dangerous liquid substances and preparations in:</p> <ul style="list-style-type: none"> • ornamental objects, intended to produce light or colour effects by means of different phases • tricks and jokes • other games and objects which, in addition to their primary use as a game, may also have an ornamental aspect <p>No colouring agents, unless required for fiscal reasons, or perfumes are to be added to dangerous liquid substances and preparations:</p> <ul style="list-style-type: none"> • which present an aspiration hazard and are labelled with the risk phrase R 65 or with H304 in accordance with Regulation (EC) No 1272/2008 (CLP Regulation); • which can be used as fuel in decorative lamps (lamp oil); and • which are intended for supply to the general public. <p>Packaging requirements</p> <ul style="list-style-type: none"> • Lamp oils and grill lighter fluids labelled with the risk phrase R 65 or H304 and intended for supply to the general public must be packaged in black opaque containers not exceeding 1 litre. • Decorative oil lamps for supply to the general public must comply with the requirements of the European Standard EN 14059 (Decorative oil lamps – Safety requirements and test methods). 	Lamp oils and grill lighters or decorative oil lamps that do not meet the requirements specified for packaging are only to be supplied to end-users until 30.11.2011.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
<p>Decabromodiphenyl ether (decaBDE) with the molecular formula C₁₂Br₁₀O*</p> <p>*including congeners formed as by-products in the manufacturing process for commercially distributed decaBDE</p>	<p>Annex 1.9 (Flame retardants)</p> <p>It is prohibited to place on the market new electrical and electronic equipment, or spare parts for such equipment, if the parts treated with flame retardants contain more than 0.1% decaBDE.</p>	<p>The prohibition does not apply to:</p> <ul style="list-style-type: none"> • appliances covered by categories 8 (medical devices) and 9 (monitoring and control instruments) in Annex IA of Directive 2002/96/EC (WEEE Directive) • appliances that serve to safeguard the essential security interests of Switzerland or which are solely intended for military purposes • appliances that fall within the categories specified in Annex IA of Directive 2002/96/EC, but which are part of a different type of appliance that does not fall within the scope of the Directive • spare parts for appliances which still contain decaBDE-containing materials or components
<p>De-icing products:</p> <ul style="list-style-type: none"> - sodium chloride, calcium chloride or magnesium chloride - urea - biodegradable lower alcohols - sodium formate or potassium formate - sodium acetate or potassium acetate 	<p>Annex 2.7 (De-icing products)</p> <p>De-icing products containing other de-icing substances must not be supplied.</p>	<p>On request, exemptions are possible for suitability testing.</p>
<p>Detergents</p>	<p>See "Surfactants"</p>	
<p>Di-α-oxo-di-n-butyl-stannyhydroxoboran (DBB, CAS no. 75113-37-0)</p>	<p>Annex 1.14 (DBB)</p> <p>Placing on the market of DBB, or of substances or preparations containing 0.1% or more DBB, is prohibited.</p>	<p>Analysis and research purposes</p>
<p>Dichlorodiphenyldichloroethane (DDD) Dichlorodiphenyldichloroethylene (DDE) Dichlorodiphenyltrichloroethane (DDT)</p>	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place on the market both these substances and substances or preparations containing them.</p>	<p>Analysis and research purposes</p>

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Dichloromethane (methylene chloride)	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <p>Prohibited in laundry detergents and cleaning products which are released into wastewater.</p>	
Dicofol (CAS no. 115-32-2) Dieldrin	<p>Annex 1.1</p> <p>It is prohibited to manufacture or place on the market both these substances and substances or preparations containing them.</p>	Analysis and research purposes
Electrical and electronic appliances	<p>Annex 1.9 / Annex 2.16 No. 6</p> <p>It is prohibited to place on the market new electrical and electronic appliances, or spare parts for such appliances, if the materials or components contain more than 0.1% chromium(VI), lead, mercury, polybrominated biphenyls or polybrominated diphenyl ethers, and more than 0.01% cadmium per homogeneous material. For batteries, the provisions of Annex 2.15 are applicable (see "Cadmium" and "Mercury").</p>	<ul style="list-style-type: none"> • Appliances covered by categories 8 (medical devices) and 9 (monitoring and control instruments) in Annex IA of Directive 2002/96/EC (WEEE Directive) • Appliances that serve to safeguard the essential security interests of Switzerland or which are solely intended for military purposes • Appliances that fall within the categories specified in Annex IA of the WEEE Directive, but which are part of a different type of appliance that does not fall within the scope of the Directive • Appliances containing materials or components included in the Annex to the RoHS Directive (2002/95/EC) • Spare parts for appliances which still contain materials or components with the regulated substances
Endrin	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing endrin.</p>	Analysis and research purposes
Ethylenediaminetetraacetic acid (EDTA, CAS no. 60-00-4) and its salts or compounds derived from EDTA	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <ul style="list-style-type: none"> • Permissible content in laundry detergents: 0.5% • Permissible content in cleaning products: 1% 	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Extender oils	<p>Annex 2.9 (Plastics and additives)</p> <p>It is prohibited to place on the market extender oils for the manufacture of tyres or parts of tyres if these oils contain more than 1 mg/kg benzo[a]pyrene or more than 10 mg/kg of the sum of the following polycyclic aromatic hydrocarbons:</p> <ul style="list-style-type: none"> - benzo[a]pyrene (CAS no. 50-32-8) - benzo[e]pyrene (CAS no. 192-97-2) - benzo[a]anthracene (CAS no. 56-55-3) - chrysene (CAS no. 218-01-9) - benzo[b]fluoranthene (CAS no. 205-99-2) - benzo[j]fluoranthene (CAS no. 205-82-3) - benzo[k]fluoranthene (CAS no. 207-08-9) - dibenzo[a,h]anthracene (CAS no. 53-70-3) <p>It is prohibited to place tyres and treads on the market for re-treading if they contain extender oils exceeding the limits indicated above.</p>	Tyres and treads for retreading manufactured before 1 January 2010.
Extinguishing agents	See "Ozone depleting substances", "Substances stable in air" and "PFOS"	
FCs: fluorocarbons	See "Substances stable in air"	
Fertilisers	<p>Annex 2.6 (Fertilisers)</p> <ul style="list-style-type: none"> • Sewage sludge is not to be supplied as a fertiliser. • Organic fertilisers, organic mineral fertilisers, recycling fertilisers and farm manure are only to be supplied if the limit values for Pb, Cd, Cu, Ni, Hg and Zn are complied with. In addition, guide values are applicable for assessing the content of polycyclic aromatic hydrocarbons (PAHs), polychlorinated dibenzodioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). • Mineral fertilisers and fertilisers prepared from animal by-products are only to be supplied if the limit values for Cd, Cr and V are complied with. 	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Fluorinated greenhouse gases	See "Substances stable in air"	
Foams	See "Substances stable in air" and "Ozone depleting substances"	
<p>Halogenated biphenyls with the formula $C_{12}H_nX_{10-n}$; X = halogen and $0 \leq n \leq 9$</p> <p>Halogenated naphthalenes with the formula $C_{10}H_nX_{8-n}$; X = halogen and $0 \leq n \leq 7$</p> <p>Halogenated terphenyls with the formula $C_{18}H_nX_{14-n}$; X = halogen and $0 \leq n \leq 13$</p> <p>Halogenated diarylalkanes:</p> <ul style="list-style-type: none"> - Monomethyl-tetrachloro-diphenyl methane (CAS no. 76253-60-6) - Monomethyl-dichloro-diphenyl methane - Monomethyl-dibromo-diphenyl methane (CAS no. 99688-47-8) 	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances. In addition, the provisions concerning capacitors and transformers (see the relevant section) are to be noted.</p>	<ul style="list-style-type: none"> • Analysis and research purposes • Lubricating oils and greases manufactured from waste oils with no more than 1 ppm halogenated biphenyls • Monohalogenated and dihalogenated biphenyls, terphenyls and naphthalenes, as well as preparations containing such compounds, if they are used exclusively as intermediate products
Halogenated biphenyls	See "Electrical and electronic appliances"	
Halons: all fully halogenated brominated fluorocarbons with up to 3 carbon atoms	See "Ozone depleting substances"	
HBFCs: all partially halogenated hydro-bromofluorocarbons with up to 3 carbon atoms	See "Ozone depleting substances"	
HCB (hexachlorobenzene)	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place HCB on the market, or substances or preparations containing HCB.</p>	Analysis and research purposes
HCFCs: all partially halogenated hydro-chlorofluorocarbons with up to 3 carbon atoms	See "Ozone depleting substances"	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
HCH (hexachlorocyclohexane, all isomers)	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place HCH on the market, or substances or preparations containing HCH.</p>	Analysis and research purposes
Heating fuel additives Heating fuels	<p>Annex 2.13 (Heating fuel additives)</p> <p>The addition of additives to heating fuels is subject to the requirements specified in Annex 5 of the Air Pollution Control Ordinance (LRV).</p>	
Heptachlor Heptachlor epoxide	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.</p>	Analysis and research purposes
HFCs: Hydrofluorocarbons HFEs: Hydrofluoroethers	See "Substances stable in air"	
High-voltage installations	See "Substances stable in air"	
Isodrin Kelevan	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.</p>	Analysis and research purposes
Lamp oils	See "Dangerous liquid substances and preparations"	
Lead (Pb) and lead compounds	<p>Annex 2.6 (Fertilisers)</p> <p>Organic fertilisers, organic mineral fertilisers, recycling fertilisers and farm manure may only be supplied if the lead content does not exceed 120 mg/kg of dry matter. Sewage sludge must not be supplied.</p>	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Lead (Pb) and lead compounds	<p>Annex 2.8 (Paints and varnishes)</p> <p>It is prohibited for manufacturers to place on the market paints and varnishes containing 0.01% or more Pb, or articles treated with such paints and varnishes.</p>	<ul style="list-style-type: none"> • Import of paints and varnishes for the treatment of articles which are then exported in their entirety • Placing on the market of vehicles, electrical and electronic appliances, or components thereof, which have been treated with paints or varnishes, subject to the provisions of Directive 2000/53/EC (ELV) concerning vehicles and Directive 2002/95/EC (RoHS) concerning electrical and electronic equipment, as specified in Annex 2.16 • Placing on the market of paints and varnishes for the treatment of the above-mentioned articles • Import of articles treated with paints and varnishes, which are simply processed or repackaged in Switzerland and then re-exported
Lead (Pb) and lead compounds	<p>Annex 2.16 No. 4 (Heavy metals in packaging)</p> <p>Packaging or packaging components must not contain, in total, more than 100 mg/kg Pb, Hg, Cr(VI) and Cd.</p>	<ul style="list-style-type: none"> • Lead crystal • Other glass, provided that exceedance of the limit is attributable to the recycled glass content • Caps on bottles containing wine from before 1996 • Plastic crates and plastic pallets, if they are manufactured using granules recovered from plastic crates and plastic pallets, and if there is no intentional introduction of heavy metals during recycling
Lead (Pb) and lead compounds	<p>Annex 2.17 (Wood-based materials)</p> <p>Wood-based materials must not contain more than 90 ppm Pb.</p>	
Lead (Pb) and lead compounds	See "Electrical and electronic equipment", "Vehicles"	
Leather goods	See "Textiles and leather goods"	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Lindane (CAS no. 58-89-9)	See "HCH"	
Liquid halogenated organic compounds such as dichloromethane, trichloroethylene, tetrachloroethylene	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <p>Prohibited in laundry detergents and cleaning products which are released into wastewater</p>	
Mercury (Hg) and mercury compounds	<p>Annex 1.7 (Mercury)</p> <ul style="list-style-type: none"> • It is prohibited for manufacturers to place on the market preparations or articles which contain mercury. • For batteries, the provisions of Annex 2.15 apply • For vehicles and components thereof, the provisions of No. 5 of Annex 2.16 apply (see "Vehicles"). • For electrical and electronic equipment, the provisions of No. 6 of Annex 2.16 apply (see "Electrical and electronic equipment") 	<ul style="list-style-type: none"> • Medicinal products • Antiques • Cosmetic products, provided that they are allowed to contain mercury under the provisions of the Ordinance on Foodstuffs and Articles of Daily Use (LGV) • Components of electrical and electronic equipment, provided that they are allowed to contain mercury. <p>If no substitutes for mercury are currently available:</p> <ul style="list-style-type: none"> • Medical devices for professional use • Equipment for laboratories • Artists' paints for restoration work • Preparations for laboratories • Auxiliaries for manufacturing processes • On receipt of a justified request, temporary exemptions may be granted for other uses.
Mercury (Hg) and mercury compounds	<p>Annex 2.6 (Fertilisers)</p> <p>Organic fertilisers, organic mineral fertilisers, recycling fertilisers and farmyard manure are only to be supplied if the mercury content does not exceed 1 mg/kg of dry matter. Sewage sludge must not be supplied.</p>	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Mercury (Hg) and mercury compounds	<p>Annex 2.15 (Batteries)</p> <p>Batteries, including those incorporated into electrical and electronic equipment, must not be placed on the market if they contain more than 5 mg Hg per kilogram.</p>	Button cells containing no more than 20 g Hg per kilogram
Mercury (Hg) and mercury compounds	<p>Annex 2.16 No. 4 (Heavy metals in packaging)</p> <p>Packaging and packaging components must not contain, in total, more than 100 mg/kg Hg, Cr(VI), Pb and Cd.</p>	
Mercury (Hg) and mercury compounds	<p>Annex 2.17 (Wood-based materials)</p> <p>Wood-based materials must not contain more than 25 ppm Hg.</p>	
Methoxychlor (CAS no. 72-43-5) Mirex	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.</p>	Analysis and research purposes
Monomethyl-dibromo-diphenyl methane (CAS no. 99688-47-8) Monomethyl-dichloro-diphenyl methane Monomethyl-tetrachloro-diphenyl methane (CAS no. 76253-60-6)	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.</p> <p>Annex 2.14 (Capacitors and transformers)</p> <p>It is prohibited to place on the market capacitors and transformers which contain halogenated diarylalkanes.</p>	Analysis and research purposes
Mutagenic substances	See "CMR substances"	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Nitrogen trifluoride (CAS no. 7783-54-2)	See "Substances stable in air"	
Nonylphenol (NP) (C ₁₅ H ₂₄ O) and its ethoxylates (NPEs)	<p>Annex 1.8 (Octylphenol, nonylphenol and their ethoxylates)</p> <p>It is prohibited to place the following product types on the market if they contain 0.1% or more nonylphenol or NPEs:</p> <ul style="list-style-type: none"> - laundry detergents - cleaning products which are released into wastewater - cosmetic products - textile processing agents - leather processing agents - metalworking agents - auxiliaries for the manufacture of pulp and paper - agricultural teat dips containing these substances as emulsifiers - biocidal products and plant protection products containing these substances as co-formulants 	<ul style="list-style-type: none"> • Spermicides • Textile and leather processing agents: <ul style="list-style-type: none"> - if processing does not result in release of the substances into wastewater - if, in installations for special treatment, such as sheepskin degreasing, process water is pretreated to remove the organic fraction completely prior to biological wastewater treatment • Metalworking agents for use in controlled closed systems where the washing liquid is recycled or incinerated. • NPEs contained as co-formulants in biocidal products or plant protection products with a marketing authorisation granted before 1 August 2005 may continue to be placed on the market until the expiry of this authorisation.
<p>Octabromodiphenyl ether (octaBDE) with the molecular formula: C₁₂H₂Br₈O*</p> <p><small>*including congeners formed as by-products in the manufacturing process for commercially distributed octaBDE</small></p>	<p>Annex 1.9 (Flame retardants)</p> <ul style="list-style-type: none"> • It is prohibited to manufacture or place on the market octaBDE, or substances or preparations containing 0.1% or more octaBDE. • New articles are not to be placed on the market if the parts treated with flame retardants contain more than 0.1% octaBDE. 	Analysis and research purposes

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Octylphenol (OP) (C ₁₄ H ₂₂ O) and its ethoxylates (OPEs)	<p>Annex 1.8 (Octylphenol, nonylphenol and their ethoxylates)</p> <p>It is prohibited to place the following product types on the market if they contain 0.1% or more octylphenol or OPEs:</p> <ul style="list-style-type: none"> - laundry detergents - cleaning products which are released into wastewater - cosmetic products - textile processing agents - leather processing agents - metalworking agents - auxiliaries for the manufacture of pulp and paper - agricultural teat dips containing these substances as emulsifiers - biocidal products and plant protection products containing these substances as co-formulants 	<ul style="list-style-type: none"> • Spermicides • Textile and leather processing agents: <ul style="list-style-type: none"> - if processing does not result in release of the substances into wastewater - if, in installations for special treatment, such as sheepskin degreasing, process water is pretreated to remove the organic fraction completely prior to biological wastewater treatment • Metalworking agents for use in controlled closed systems where the washing liquid is recycled or incinerated. • OPEs contained as co-formulants in biocidal products or plant protection products with a marketing authorisation granted before 1 August 2005 may continue to be placed on the market until the expiry of this authorisation.
Oil lamps, decorative	See "Dangerous liquid substances and preparations"	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
<p>Ozone depleting substances All fully halogenated chlorofluorocarbons with up to 3 carbon atoms (CFCs), e.g.:</p> <ul style="list-style-type: none"> - Trichlorofluoromethane (CFC 11) - Dichlorodifluoromethane (CFC 12) - Tetrachlorodifluoroethane (CFC 112) - Trichlorotrifluoroethane (CFC 113) - Dichlorotetrafluoroethane (CFC 114) - Chloropentafluoroethane (CFC 115) <p>All fully halogenated bromofluorocarbons with up to 3 carbon atoms (halons), e.g.:</p> <ul style="list-style-type: none"> - Bromochlorodifluoromethane (Halon 1211) - Bromotrifluoromethane (Halon 1301) - Dibromotetrafluoroethane (Halon 2402) <p>All partially halogenated hydrochlorofluorocarbons with up to 3 carbon atoms (HCFCs), e.g.:</p> <ul style="list-style-type: none"> - Chlorodifluoromethane (HCFC 22) - Dichlorotrifluoroethane (HCFC 123) - Dichlorofluoroethane (HCFC 141) - Chlorodifluoroethane (HCFC 142) <p>All partially halogenated hydrobromofluorocarbons with up to 3 carbon atoms (HBFCs)</p> <p>1,1,1-Trichloroethane (CAS no. 71-55-6) Carbon tetrachloride (CAS no. 56-23-5) Bromomethane (CAS no. 74-83-9) Bromochloromethane (CAS no. 74-97-5)</p>	<p>Annex 1.4 (Substances that deplete the ozone layer)</p> <p>It is prohibited:</p> <ul style="list-style-type: none"> • to manufacture, import or export these substances • to import preparations or articles containing these substances, subject to the exemptions specified in other Annexes • to import preparations or articles manufactured with these substances • to export articles the use of which requires CFCs, halons, HBFCs, trichloroethane, carbon tetrachloride or bromochloromethane <p>Annex 2.3 (Solvents)</p> <p>It is prohibited to manufacture or place on the market solvents containing these substances, or articles containing such solvents.</p> <p>Annex 2.9 (Plastics and additives)</p> <p>It is prohibited to manufacture or import foams manufactured with these substances, or articles containing such foams.</p> <p>Annex 2.10 (Refrigerants)</p> <p>It is prohibited to manufacture, place on the market or export ozone depleting refrigerants, or appliances and systems using such refrigerants.</p>	<p>Annex 1.4 (Substances that deplete the ozone layer)</p> <ul style="list-style-type: none"> • Manufacture of regenerated substances • Import of these substances, subject to authorisation, from countries which comply with the provisions of the Montreal Protocol for: <ul style="list-style-type: none"> - use as intermediates in a process leading to complete chemical conversion - use for analysis and research purposes - uses authorised by the FOEN on a temporary basis • Export of these substances, subject to authorisation, to countries which comply with the provisions of the Montreal Protocol <p>Annex 2.3 (Solvents)</p> <p>On receipt of a justified request, temporary exemptions may be granted for certain solvents if no substitutes are currently available.</p> <p>Annex 2.10 (Refrigerants)</p> <ul style="list-style-type: none"> • Refrigerants containing regenerated HCFCs may continue to be manufactured, placed on the market, exported and used to refill appliances and systems until 31 December 2014. • On receipt of a justified request, temporary exemptions may be granted for refrigerants if no substitutes are currently available.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Ozone depleting substances (continued)	<p>Annex 2.11 (Extinguishing agents)</p> <p>It is prohibited to place on the market extinguishing agents which deplete the ozone layer, or appliances and systems containing such extinguishing agents. Export is subject to conditions.</p> <p>Annex 2.12 (Aerosol dispensers)</p> <p>It is prohibited to manufacture or import, on a professional or commercial basis, aerosol dispensers which contain these substances.</p>	<p>Annex 2.11 (Extinguishing agents)</p> <ul style="list-style-type: none"> • Re-import of extinguishing agents demonstrably exported for recycling • Import of portable extinguishers for use in one's own vehicle • Extinguishing agents used to ensure the safety of persons in aeroplanes, special-purpose army vehicles or nuclear installations <p>Annex 2.12 (Aerosol dispensers)</p> <p>Medicinal products and medical devices if no substitutes are available</p>
Packaging and packaging components	<p>Annex 2.16 No. 4 (Heavy metals in packaging)</p> <p>Packaging or packaging components must not contain, in total, more than 100 mg/kg Pb, Hg, Cr(VI) and Cd.</p>	<ul style="list-style-type: none"> • Lead crystal • Other glass, provided that exceedance of the limit is attributable to the recycled glass content • Caps on bottles containing wine from before 1996 • Plastic crates and plastic pallets, if they are manufactured using granules recovered from plastic crates and plastic pallets, and if there is no intentional introduction of heavy metals during recycling • On receipt of a justified request, further exemptions may be granted.
<p>Pentabromodiphenyl ether (pentaBDE) with the molecular formula: C₁₂H₅Br₅O*</p> <p><small>*including congeners formed as by-products in the manufacturing process for commercially distributed pentaBDE</small></p>	<p>Annex 1.9 (Flame retardants)</p> <ul style="list-style-type: none"> • It is prohibited to manufacture or place on the market pentaBDE, or substances or preparations containing 0.1% or more pentaBDE. • New articles are not to be placed on the market if the parts treated with flame retardants contain more than 0.1% pentaBDE. 	<p>Analysis and research purposes</p>

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Pentachlorobenzene (CAS no. 608-93-5)	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing this substance.</p>	Analysis and research purposes
Pentachloroethane (CAS no. 76-01-7)	<p>Annex 1.3 (Chlorinated aliphatic hydrocarbons)</p> <p>It is prohibited to place this substance on the market, or substances or preparations containing 0.1% or more pentachloroethane.</p>	<ul style="list-style-type: none"> • Medicinal products • Cosmetic products, provided that they are allowed to contain this substance under the provisions of the Ordinance on Foodstuffs and Articles of Daily Use (LGV) • Supply for use in closed systems in industrial processes • Analysis and research purposes
Pentachlorophenol (PCP, CAS no.87-86-5) and its salts, and pentachlorophenoxy compounds	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances (see also "Textiles and leather goods").</p>	Analysis and research purposes
Pentachlorophenol (PCP, CAS no.87-86-5)	<p>Annex 2.17 (Wood-based materials)</p> <p>Wood-based materials must not contain more than 5 ppm PCP.</p>	
<p>Perfluorooctane sulfonates (PFOS)*</p> <p>* Within the meaning of the regulations, PFOS are substances with the molecular formula $C_8F_{17}SO_2X$, which have one sulfonate group bonded to the perfluorinated carbon chain and which occur with various functional groups, e.g. as an acid ($X = OH$), metal salt ($X = OM^+$), sulfonyl halide ($X = F$) or amide ($X = NR_2$), or as other derivatives including polymers.</p>	<p>Annex 1.16 (Perfluorooctane sulfonates)</p> <p>It is prohibited to manufacture or place on the market PFOS, or any substances or preparations containing more than 0.005% PFOS.</p> <p>New articles must not be placed on the market if the parts treated with PFOS contain more than 0.1% PFOS. For textiles and other coated materials, the limit specified is 1 $\mu\text{g}/\text{m}^2$ of the coated material.</p>	<p>The prohibitions are applicable from 1 August 2011. They do not apply to manufacture or placing on the market for analysis and research purposes; nor do they apply to the following items, or to substances and preparations needed to manufacture them:</p> <ul style="list-style-type: none"> • photoresists or anti-reflective coatings for photolithography processes; • photographic coatings applied to films, papers, or printing plates; • -2mist suppressants for non-decorative hard chromium (VI) plating and wetting agents for use in controlled electroplating systems;

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
		<ul style="list-style-type: none"> • -2hydraulic fluids for aviation;
Perthane (CAS no. 72-56-0)	<p>Annex 1.1 (Halogenated organic compounds) It is prohibited to manufacture or place this substance on the market, or substances or preparations containing perthane.</p>	<ul style="list-style-type: none"> • -2medical devices, and components thereof.
PFCs: Perfluorocarbons	See "Substances stable in air"	Analysis and research purposes
Phosphates and phosphorus compounds in detergents	<p>Annex 2.1 (Laundry detergents)</p> <ul style="list-style-type: none"> • Ban on phosphates in laundry detergents • Permissible content of phosphorus compounds (except phosphates) in laundry detergents: 0.5% P 	
Polybrominated biphenyls (PBBs)	See "Halogenated biphenyls and terphenyls" and "Electrical and electronic appliances"	
Polybrominated diphenyl ethers (PBDEs)	See "Pentabromodiphenyl ether", "Octabromodiphenyl ether" and "Decabromodiphenyl ether"	
Polychlorinated biphenyls (PCBs)	See "Halogenated biphenyls and terphenyls"	
Polychlorinated terphenyls (PCTs)	See "Halogenated biphenyls and terphenyls"	
Polycyclic aromatic hydrocarbons (PAHs)	See "Tars", "Tar oils", "Extender oils", "Wood-based materials" and "Fertilisers"	
Propylenediaminetetraacetic acid (PDTA, CAS no. 1939-36-2) and its salts or compounds derived from PDTA	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <ul style="list-style-type: none"> • Permissible content in laundry detergents: 0.5% • Permissible content in cleaning products: 1% 	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Quintozene (CAS no. 82-68-8)	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing quintozene.</p>	Analysis and research purposes
Refrigerants	See "Ozone depleting substances" and "Substances stable in air"	
Short-chain chlorinated paraffins	See "Chlorinated paraffins, short-chain"	
Solvents	See "Ozone depleting substances" and "Substances stable in air"	
Solvents, hazardous	<p>Annex 2.12 (Aerosol dispensers)</p> <p>It is prohibited to manufacture or place aerosol dispensers on the market if they need to be labelled with the following risk phrases on account of the solvents they contain:</p> <ul style="list-style-type: none"> - R 23, R 26 (toxic or very toxic by inhalation) - R 34, R 35 (causes burns or severe burns) - R 41 (risk of serious damage to eyes) 	
Strobane	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing strobane.</p>	Analysis and research purposes
Strychnine	<p>Annex 2.4 No. 3 (Rodenticides)</p> <p>Rodenticides must not contain strychnine.</p>	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
<p>Substances stable in air</p> <p>Fluorinated organic compounds with a vapour pressure of at least 0.1 mbar at 20°C or whose boiling point does not exceed 240°C at 1013.25 mbar, and which have a mean lifetime in air of at least 2 years, such as:</p> <p>Hydrofluorocarbons (HFCs):</p> <ul style="list-style-type: none"> - Trifluoromethane (HFC-23) - Difluoromethane (HFC-32) - Fluoromethane (HFC-41) - Pentafluoroethane (HFC-125) - 1,1,1,2-Tetrafluoroethane (HFC-134a) - 1,1,1-Trifluoroethane (HFC-143a) - Heptafluoropropane (HFC-227ea) - 1,1,1,2,3,3-Hexafluoropropane (HFC-236ea) - 1,1,1,3,3,3-Hexafluoropropane (HFC-236fa) - 1,1,2,2,3-Pentafluoropropane (HFC-245ca) - 1,1,1,3,3-Pentafluoropropane (HFC-245fa) - Pentafluorobutane (HFC-365mfc) - Decafluoropentane (HFC-43-10) 	<p>Annex 1.5 (Substances stable in air)</p> <p>It is prohibited to import preparations and articles containing these substances.</p> <p>Annex 2.3 (Solvents)</p> <p>It is prohibited to manufacture, place on the market or import on a private basis solvents which contain these substances, or articles containing such solvents.</p> <p>Annex 2.9 (Plastics and additives)</p> <p>It is prohibited to supply foams manufactured with these substances, or articles containing such foams.</p>	<p>Annex 1.5 (Substances stable in air)</p> <ul style="list-style-type: none"> • For substances which are ozone depleting substances, Annex 1.4 is applicable. • Import of preparations and articles containing these substances <ul style="list-style-type: none"> - as intermediates in a process leading to complete chemical conversion - for analysis and research purposes • Import of preparations and articles containing these substances, provided this is permitted by the provisions of Annexes 2.3, 2.9, 2.10, 2.11 and 2.12. • Import of particle accelerators, mini-relays and high-voltage distribution systems that contain SF₆, and of SF₆-containing preparations and articles for the manufacture and maintenance thereof, provided that no substitutes are currently available. • On receipt of a justified request, temporary exemptions may be granted if no substitutes are currently available. <p>Annex 2.3 (Solvents)</p> <ul style="list-style-type: none"> • Solvents used in closed systems for surface treatment (Annex 2 Number 87 of the Air Pollution Control Ordinance/LRV) • On receipt of a justified request, temporary exemptions may be granted if no substitutes are currently available. <p>Annex 2.9 (Plastics and additives)</p> <ul style="list-style-type: none"> • Cases where thermal insulation cannot be obtained using other materials • On receipt of a justified request, temporary exemptions may be granted for certain foams if no substitutes are currently available.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
<p>Perfluorocarbons (PFCs), e.g.:</p> <ul style="list-style-type: none"> - Tetrafluoromethane (PFC-14) - Hexafluoroethane (PFC-116) - Octafluoropropane (PFC-218) - Decafluorobutane (PFC-31-10) - Octafluorocyclobutane (PFC-C-318) - Dodecafluoropentane (PFC-41-12) - Tetradecafluorohexane (PFC-51-14) <p>Hydrofluoroethers (HFEs), e.g.:</p> <ul style="list-style-type: none"> - Methyl nonafluorobutyl and nonafluoroisobutyl ethers (HFE-7100) 	<p>Annex 2.10 (Refrigerants)</p> <ul style="list-style-type: none"> • It is prohibited to manufacture, place on the market or import on a private basis domestic refrigeration and freezer appliances using refrigerants which are stable in air. • It is prohibited to manufacture, place on the market or import on a private basis the following appliances and systems using refrigerants which are stable in air: <ul style="list-style-type: none"> - dehumidifiers - air conditioners - air conditioning systems used in motor vehicles • The setting up of stationary installations containing more than 3 kg refrigerants stable in air is subject to mandatory authorisation. • Refrigerants stable in air are only to be supplied to purchasers with an appropriate certificate or with a qualification regarded as equivalent. Units of more than 100 g are only to be supplied in reusable containers. 	<p>Annex 2.10 (Refrigerants)</p> <ul style="list-style-type: none"> • Supply and import of refrigeration and freezer appliances, dehumidifiers and air conditioners which belong to a private household • Manufacture and placing on the market of dehumidifiers, air conditioners and air conditioning systems used in motor vehicles if no substitutes are currently available • On receipt of a justified request, temporary exemptions may be granted if no substitutes are currently available.
<p>Sulfur hexafluoride SF₆ (R-7146)</p> <p>Nitrogen trifluoride</p>	<p>Annex 2.11 (Extinguishing agents)</p> <p>It is prohibited to place on the market or import on a private basis extinguishing agents which are stable in air, or appliances and systems containing such extinguishing agents.</p>	<p>Annex 2.11 (Extinguishing agents)</p> <ul style="list-style-type: none"> • Supply for purposes of recycling • Re-import of extinguishing agents demonstrably exported for recycling • Import of portable extinguishers for use in one's own vehicle • Placing on the market of extinguishing agents to ensure the safety of persons in aeroplanes, special-purpose army vehicles or nuclear installations; on receipt of a justified request, temporary exemptions may be granted in similar cases.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Substances stable in air (continued)	<p>Annex 2.12 (Aerosol dispensers) It is prohibited to manufacture or import on a professional or commercial basis aerosol dispensers containing these substances.</p>	<p>Annex 2.12 (Aerosol dispensers)</p> <ul style="list-style-type: none"> • Medicinal products and medical devices if no substitutes are available • Aerosol dispensers, under certain conditions, for <ul style="list-style-type: none"> - the production of expanding foams - the cleaning of live electrical systems and appliances • On receipt of a justified request, temporary exemptions may be granted.
Substances toxic to reproduction	See "CMR substances"	
Sulfur hexafluoride (CAS no. 2551-62-4)	See "Substances stable in air"	
<p>Surfactants Detergents containing surfactants</p>	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <p>As well as OPEs and NPEs, laundry detergents and cleaning products must not contain:</p> <ul style="list-style-type: none"> - surfactants for which the level of primary biodegradability is lower than 80% - surfactants for which the level of ultimate biodegradation is lower than 60% (mineralisation) or 70% (loss of dissolved organic carbon); - surfactants included in the list of banned or restricted detergent surfactants in Annex VI* of Regulation (EC) No. 648/2004 <p>* The lists given in Annexes 2.1 and 2.2 are adapted by the FOEN to amendments of Regulation (EC) No. 648/2004</p>	<ul style="list-style-type: none"> • Surfactants which are active ingredients of disinfectants or medical products • The following surfactant included in Annex V* (list of derogations) to Regulation (EC) No. 648/2004: <ul style="list-style-type: none"> - Alcohols, Guerbet, C16-20, ethoxylated, n-butyl ether (7-8EO) until 27 June 2019 for industrial bottle washing, cleaning-in-place and metal cleaning • On receipt of a justified request, exemptions may be granted for laundry detergents and cleaning products with surfactants that are not completely biodegradable and which are not yet included in Annex V or VI of the Regulation.

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
<p>Tars*</p> <p>*Tars are complex mixtures produced by thermal decomposition of organic natural substances, notably coal tar, or the products obtained from further processing, such as tar oils and tar pitch. In these processes, polycyclic aromatic hydrocarbons (PAH) are formed. The limit specified is based on the content of 16 PAH included in a list published by the US Environment Protection Agency (EPA). For this reason, they are known as EPA PAH.</p>	<p>Annex 1.15 (Tars)</p> <p>It is prohibited to place on the market the following tar-containing preparations if they contain more than 100 mg PAH per kilogram (overall limit for EPA PAH):</p> <ul style="list-style-type: none"> • products for surface dressing of paved surfaces, e.g. tar emulsions used as oil- and petrol-resistant pavement coatings for petrol stations, parking areas, handling areas, works yards or airports; • joint sealants for paved surfaces, e.g. for fuel handling areas or for open or covered parking areas at airports; • paints and varnishes, e.g. used as protective coatings for concrete and steel (e.g. pressure pipelines). <p>It is also prohibited:</p> <ul style="list-style-type: none"> • to place on the market tar-containing clay pigeons, containing more than 30 mg PAH per kilogram; • to manufacture surfacings, such as foundation, base, binder and surface courses, using tar-containing binders, if the latter contain more than 100 mg PAH per kilogram. 	<p>The restrictions come into force on 1 December 2012. They do not apply:</p> <ul style="list-style-type: none"> • if an authorisation has been granted for a specific use by the European Commission in accordance with Article 60 Paragraph 1 of Regulation (EC) No 1907/2006 (REACH Regulation) • if no substitutes for tar-containing preparations are currently available, and the FOEN, on receipt of a justified request, has granted exemptions from the prohibitions for tar-containing preparations and binders <p>The provisions of the Annex are not applicable to tar-containing binders that end up in new surfacings as a result of the recycling of tar-containing road construction materials in the manufacture of surfacings</p>
<p>Tar oils, in particular:</p> <ul style="list-style-type: none"> - creosote (CAS no. 8001-58-9) - creosote oil (CAS no. 61789-28-4) - distillates (coal tar), naphthalene oils (CAS no. 84650-04-4) - creosote oil, acenaphthene fraction (CAS no. 90640-84-9); - distillates (coal tar), upper (CAS no. 65996-91-0) - anthracene oil (CAS no. 90640-80-5) - tar acids, coal, crude (CAS no. 65996-85-2) - creosote, wood (CAS no. 8021-39-4) 	<p>Annex 2.4 No. 1 (Wood preservatives)</p> <ul style="list-style-type: none"> • It is prohibited to place on the market wood preservatives which contain tar oils. • It is prohibited to supply wood treated with wood preservatives which contain tar oil. 	<ul style="list-style-type: none"> • Railway sleepers which are supplied by one rail company to another for railway track installations • Wood preservatives containing tar oil which contain no more than 50 mg benzo[a]pyrene per kg and are supplied to professional or commercial users in packages with a minimum content of 20 litres. Wood thus treated may be supplied for the following uses: <ul style="list-style-type: none"> - railway track installations - slope stabilisation and avalanche protection structures away from residential areas - noise barriers and path and road surfacing away from residential areas - bases of electricity pylons

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
- Low temperature tar oil, alkaline; extract residues (coal) (CAS no. 122384-78-5)		- other installations for comparable purposes
Telodrin	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing telodrin.</p>	Analysis and research purposes
Tetrachloroethylene (perchloroethylene)	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <p>Prohibited in laundry detergents and cleaning products which are released into wastewater</p>	
Tetrachlorophenols (TeCPs) and their salts and tetrachlorophenoxy compounds	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place these substances on the market, or substances or preparations containing these substances.</p>	Analysis and research purposes
Textiles and leather goods	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to import textiles or leather goods on a professional or commercial basis if the goods contain prohibited substances as specified in Annex 1.1, in particular PCP.</p>	
Textiles and leather goods	<p>Annex 1.2 (Short-chain chlorinated paraffins)</p> <p>Textiles and leather goods must not be treated with agents which contain more than 1% short-chain chlorinated paraffins.</p>	
Textiles and leather goods	<p>Annex 1.9 (Flame retardants)</p> <ul style="list-style-type: none"> • Textiles and leather goods must not contain pentaBDE or octaBDE. • Textiles which are intended to be worn directly or indirectly next to the skin or used in room furnishings must not contain tris(2,3-dibromopropyl) phosphate (CAS no. 126-72-7) or tris(aziridiny) phosphine oxide (CAS no. 545-55-1). 	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Textiles and leather goods	<p>Annex 1.13 (Azo dyes)</p> <ul style="list-style-type: none"> • Textiles and leather goods must not be dyed with blue colourant (as specified in Annex 1.13). • For azo dyes used in textiles and leather goods which can release aromatic amines such as benzidine or naphthylamine, the provisions of the Ordinance on Foodstuffs and Articles of Daily Use (LGV) are applicable. 	
Thallium (TI) and thallium compounds	<p>Annex 2.4 No. 3 (Rodenticides)</p> <p>Rodenticides must not contain thallium.</p>	
Toluene (CAS no. 108-88-3)	<p>Annex 1.12 No. 2 (Benzene and related compounds)</p> <p>It is prohibited to supply adhesives or spray paints containing more than 0.1% toluene to the general public.</p>	
Toxaphene	<p>Annex 1.1 (Halogenated organic compounds)</p> <p>It is prohibited to manufacture or place this substance on the market, or substances or preparations containing toxaphene.</p>	Analysis and research purposes
Trialkyl and triaryl tin compounds	<p>Annex 2.4 (Biocidal products)</p> <p>It is prohibited to place these substances on the market in:</p> <ul style="list-style-type: none"> • products used to protect service water • film preservatives in paints and varnishes • antifouling products (underwater coatings) 	<ul style="list-style-type: none"> • Use in research and development; the provisions of Chapter 3 of the Biocidal Products Ordinance (VBP) are to be noted. • Paints and varnishes in which these substances are chemically bound
Trichloroethane, 1,1,1-	See "Ozone depleting substances"	
Trichloroethane, 1,1,2-	See "1,1,2-Trichloroethane"	

Substance/Preparation/Article	Regulations	Exemptions/Transitional provisions
Trichloroethylene	<p>Annex 2.1 and 2.2 (Laundry detergents and cleaning products)</p> <p>Prohibited in laundry detergents and cleaning products which are released into wastewater</p>	
<p>Tris(2,3-dibromopropyl) phosphate (CAS no. 126-72-7)</p> <p>Tris(aziridiny) phosphine oxide (CAS no. 545-55-1)</p>	<p>Annex 1.9 (Flame retardants)</p> <p>Textiles which are intended to be worn directly or indirectly next to the skin or used in room furnishings must not contain these substances.</p>	
Vehicles, vehicle materials and components	<p>Annex 2.9 (Plastics and additives)</p> <p>It is prohibited to supply foams manufactured with substances which deplete the ozone layer or with substances stable in air, or articles containing such foams, if thermal insulation can be obtained using other materials.</p> <p>Annex 2.10 (Refrigerants)</p> <p>Air conditioning systems used in motor vehicles must not contain refrigerants which deplete the ozone layer. Refrigerants which are stable in air are prohibited in such systems if a substitute is currently available.</p>	
Vehicles, vehicle materials and components	<p>Annex 2.16 No. 5 (Heavy metals in vehicles)</p> <p>It is prohibited to place on the market new vehicle* materials and components, or new vehicles containing such materials and components, if they contain more than 0.1% lead, mercury or chromium(VI) or more than 0.01% cadmium per homogeneous material.</p> <p>* For the purposes of No. 5, vehicles are cars and light commercial vehicles.</p>	<ul style="list-style-type: none"> • Vehicle materials and components listed in Annex II of Directive 2000/53/EC on End of Life Vehicles (ELV) • Vehicles which are allowed to contain the materials or components listed in Annex II of Directive 2000/53/EC on End of Life Vehicles (ELV) • Spare parts for vehicles which still contain materials or components containing the regulated substances, with the exception of wheel balance weights, carbon brushes and brake linings

Substance/Preparation/Article	Regulations
Vinyl chloride (CAS no. 75-01-4)	<p>Annex 2.12 (Aerosol dispensers)</p> <p>Aerosol dispensers must not contain vinyl chloride.</p>
Wood preservatives Wood treated with wood preservatives	<p>Annex 2.4 No. 1 (Wood preservatives)</p> <ul style="list-style-type: none"> <li>• It is prohibited to place on the market wood preservatives which contain tar oils. <li>• It is prohibited to supply wood treated with wood preservatives which contain tar oil. <li>• It is prohibited to place on the market wood preservatives which contain arsenic or arsenic compounds. <li>• It is prohibited to import wood containing substances which are not authorised or are prohibited in Switzerland for the treatment of wood (in particular, pentachlorophenol or arsenic).
Wood-based materials	<p>Annex 2.17 (Wood-based materials)</p> <p>It is prohibited for manufacturers to place wood-based materials on the market if the following substances exceed the specified limit values:</p> <ul style="list-style-type: none"> <li>• Arsenic (As): -225 <li>• Lead (Pb): -290 <li>• Cadmium (Cd): -250 <li>• Mercury (Hg): -225 <li>• Benzo[a]pyrene (CAS no. 50-32-8): -20.5 <li>• Pentachlorophenol (PCP, CAS no. 87-86-5):

Exemptions/Transitional provisions

- Railway sleepers containing tar oil which are supplied by one rail company to another for railway track installations
- Wood preservatives containing tar oil which contain no more than 50 mg/kg benzo[a]pyrene and are supplied to professional or commercial users in packages with a minimum content of 20 litres. Wood thus treated may be supplied for the following uses:
 - railway track installations
 - slope stabilisation and avalanche protection struc-

- tures away from residential areas
- noise barriers away from residential areas
- path and road surfacing away from residential areas
- bases of electricity pylons
- other installations for comparable purposes

On receipt of a justified request, exemptions may be granted if the exceedance of limit values is not due to the recycled wood (secondary raw material) used.