

# OFM. Wholesale.

## **RESTRICTED SUBSTANCES LIST**

("RSL") 1.0

February 2026

# OFM.

Wholesale.

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## Introduction version 1.0

### INTRODUCTION

The production of apparel from raw materials to finished products is a complex and chemical-intensive process.

OFM. Wholesale B.V. (from now on "OFM. Wholesale") has developed a Restricted Substances List (OFM. Wholesale RSL 1.0, from now on "RSL") as a reference for suppliers regarding all chemicals that are banned or restricted in all production processes and finished products. The purpose of the RSL is to ensure that products comply with legislation, are safe for consumers, minimize risks for workers at production sites, and support the replacement of hazardous substances in the textile, apparel and footwear supply chain. The restrictions apply to all manufacturing processes and product components (including accessories/trims attached to products, prints and packaging materials) used for products for OFM. Wholesale.

This RSL includes:

1. All legal and upcoming textile-related requirements in the European Union.
2. Requirements of our main customers.
3. Industry standards and best practices.
4. Responsibility of the supplier regarding Substances of Very High Concern (SVHC) mentioned on the REACH Candidate list.

A valid OEKO-TEX® Standard 100 product certificate issued by the OEKO-TEX® Association ([www.oeko-tex.com](http://www.oeko-tex.com)) covers most of requirements of this RSL. The Sustainable Textile Production (STeP) is an OEKOTEX® certification that has a wider scope which includes an analysis of a production facility's management and performance with respect to certain environmental considerations. Certification based on the Oeko-Tex ® Standard 100 or STeP can sometimes be more cost effective than single tests.

Please be prepared that your contact person may request a signature for each order as a declaration that the specific order complies with our RSL requirements. It is also possible that one or more of your styles could be selected for pre-shipment testing at a certified laboratory.

As a matter of general principle, OFM. Wholesale reserves the right to select styles to be (counter) tested upon arrival in their warehouses. If this test produces a "FAIL" result, all of the costs incurred in this testing process shall be borne by the supplier, including all additional costs associated with non-marketable styles.

As part of an ongoing sustainability improvement process, this RSL will be updated on a regular basis to incorporate additions to the list and/or changes to legislation. Together with our vendors, we seek opportunities to achieve continuous improvement in this area. To this end, the RSL can be used as a basis for the development of Chemical Management Systems.

Should you have any questions, please do not hesitate to contact the product developer or the sustainability specialist at OFM. Wholesale.

# OFM.

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**Materials version 1.0 - Examples of materials within the scope of the OFM. Wholesale RSL<sup>1</sup>**

Natural Fibres <i>Including semi-synthetics</i>	Blended Fibres	Synthetic Fibres	Synthetic Coated Fabrics	Natural Leather & Fur skin	Coatings & Prints	Natural Materials	Other Materials	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber	Metal	Feathers & Down	Glue
<ul style="list-style-type: none"> <li>· Cotton</li> <li>· Wool</li> <li>· Silk</li> <li>· Hemp</li> <li>· Cashmere</li> <li>· Linen</li> <li>· Fur hair</li> <li>· Viscose (Semi-synthetic)</li> <li>· Lyocell (Semi-synthetic)</li> </ul>	<ul style="list-style-type: none"> <li>· Cotton-Polyester</li> <li>· Wool-Nylon</li> <li>· Ramie- Polyester</li> </ul>	<ul style="list-style-type: none"> <li>· Polyester</li> <li>· Acrylic</li> <li>· Nylon</li> <li>· Polyamide</li> </ul>	Textiles with: <ul style="list-style-type: none"> <li>· Polyurethane (PU) coating</li> <li>· Polyvinyl Chloride (PVC) coating</li> <li>· Other polymeric coatings</li> </ul>	<ul style="list-style-type: none"> <li>· Leather</li> <li>· Fur skin</li> <li>· Bonded / recycled leather</li> </ul>	Printing techniques such as: <ul style="list-style-type: none"> <li>· Heat transfers</li> <li>· Dye sublimation printing</li> <li>· Screen printing</li> <li>· Direct-to- garment printing</li> <li>· Discharge printing</li> <li>· Plastisol transfers</li> </ul> Coatings such as: <ul style="list-style-type: none"> <li>· Polyvinyl chloride (PVC)</li> <li>· Polyurethane (PU)</li> <li>· UV-cured</li> </ul>	<ul style="list-style-type: none"> <li>· Horn</li> <li>· Bone</li> <li>· Cork</li> <li>· Wood</li> <li>· Paper</li> <li>· Straw</li> <li>· Stone</li> <li>· Shell (e.g. coconut or mother of pearl)</li> <li>· Jacron (a semi-synthetic paper product)</li> </ul>	<ul style="list-style-type: none"> <li>· Glass</li> <li>· Synthetic stone</li> <li>· Porcelain</li> <li>· Ceramic</li> <li>· Crystal</li> </ul>	<ul style="list-style-type: none"> <li>· Ethylene vinyl acetate (EVA)</li> <li>· Polystyrene (PS)</li> <li>· Polyethylene (PE)</li> <li>· Acrylonitrile butadiene styrene (ABS)</li> <li>· Neoprene</li> <li>· Polypropylene (PP)</li> <li>· Polycarbonate (PC)</li> <li>· Polyamide (PA)</li> <li>· Polyurethane (PU)</li> <li>· Polyvinyl chloride (PVC)</li> <li>· Thermoplastic polyurethane (TPU)</li> <li>· Thermoplastic elastomer (TPE)</li> <li>· Styrene ethylene butylene styrene (SEBS)</li> </ul>	<ul style="list-style-type: none"> <li>· Stainless steel</li> <li>· Brass</li> <li>· Copper</li> <li>· Gold</li> <li>· Silver</li> <li>· Aluminum</li> </ul>	<ul style="list-style-type: none"> <li>· Feathers</li> <li>· Down</li> </ul>	<ul style="list-style-type: none"> <li>· Hot melt adhesive</li> <li>· Powdered adhesive</li> <li>· Flock adhesive</li> <li>· Contact adhesive</li> <li>· Latex glue</li> <li>· Polyurethane glue</li> <li>· Neoprene cement</li> <li>· Epoxies</li> <li>· Silicone adhesive</li> <li>· UV-cured adhesive</li> </ul>

<sup>1</sup>NOTE: This list provides examples of materials within each category but is not all-inclusive.

Risk Matrix Textile Products OFM. Wholesale RSL 1.0																			
●●● indicates a higher risk that a chemical is used and/or could be detected in a particular material.																			
●● indicates a lower risk that a chemical is used and/or could be detected in a particular material.																			
No dot indicates that the risk is not anticipated in a particular material.																			
CHEMICAL	NATURAL FIBERS	SYNTHETIC FIBERS	NATURAL & SYNTHETIC BLENDS	SYNTHETIC COATED FABRICS	NATURAL LEATHER & FUR SKIN	NATURAL MATERIALS	METALS	OTHER: Porcelain, Ceramic, Glass, Crystal etc	FEATHERS & DOWN	POLYMERS								COATING AND PRINTS	GLUE
										EVA	PU Foams	All other PU & TPU	Rubber excludes latex and silicon rubbers	Polycarbonate	ABS	PVC	All Other foams, plastics & Polymer		
ACETOPHENONE & 2-PHENYL-2-PROPANOL										●●									
ACIDIC AND ALKALINE SUBSTANCES (pH)	●●●	●●●	●●●	●●●	●●●														
ALKYLPHENOL (AP) & ALKYLPHENOL ETHOXYLATES (APEOs), including all isomers	●●●	●●●	●●●	●●●	●●●	●●●			●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	
AZO AMINES AND ARYLAMINE SALTS	●●●/A	●●●/A	●●●/A	●●●/A	●●●/A	●●●/A			●●●/A									●●●	
BISPHENOLS		●●●	●●●	●●●	●●●					●●	●●	●●	●●	●●●	●●	●●	●●		
BROMINATED & ORGANOPHOSPHOROUS SUBSTANCES	●●/B																		
CHLORINATED PARAFFINS				●●/K	●●●					●●	●●	●●●	●●●	●●	●●	●●●	●●		
CHLOROPHENOLS	●●	●●	●●		●●														
CHLORINATED BENZENES AND TOLUENES		●●	●●	●●															
CYCLOSILOXANES	●●	●●	●●														●●/C	●●	
DIMETHYLFUMURATE (DMFu)					●●														
DISPERSE DYES - ALLERGENIC		●●●/A	●●●/A	●●●/A														●●	
DYES - CARCINOGENIC		●●●/A	●●●/A	●●●/A														●●	
DYES - NAVY BLUE		●●	●●																
FLUORINATED GREENHOUSE GASES																			
FORMALDEHYDE	●●●	●●●	●●●	●●	●●●	●●●/D						●●						●●●	
HEAVY METALS CHROMIUM VI	●●/E	●●/F			●●●														
HEAVY METALS EXTRACTABLE	●●●	●●●	●●●	●●	●●●		●●/G			●●	●●	●●	●●	●●	●●	●●	●●	●●	
<b>A</b> ●●● for dyed/colored materials (non-white) only	<b>E</b> ●● for Wool materials only						<b>J</b> ●●● for Cadmium and Lead only; Crystal is exempt for Lead						<b>N</b> ●●● if Rubber or black Polymeric materials, otherwise ●●						
<b>B</b> ●● only if Flame Retardant use or contamination is suspected or if TPP use suspected in PU,TPU, or other polymeric materials	<b>F</b> ●● if extractable Chrome above 1 mg/kg only						<b>K</b> ●●● for PVC materials only. Otherwise ●●						<b>P</b> ●●● for PU and PVC- based materials only						
<b>C</b> ●● for silicone polymers only	<b>G</b> Copper is exempt from restriction limits in Metal parts						<b>L</b> ●● for Styrene/Butadiene Rubbers (SBRs) only						<b>Q</b> ●●● for glues fixed in final product						
<b>D</b> ●●● for Wood, Paper, and Straw materials only	<b>H</b> ●● for plant-based fibers only; N/A for animalbased fibers						<b>M</b> ●●● if PFAS use or contamination is suspected												

Risk Matrix Textile Products OFM. Wholesale RSL 1.0																				
●●● indicates a higher risk that a chemical is used and/or could be detected in a particular material.																				
●● indicates a lower risk that a chemical is used and/or could be detected in a particular material.																				
No dot indicates that the risk is not anticipated in a particular material.																				
CHEMICAL	NATURAL FIBERS	SYNTHETIC FIBERS	NATURAL & SYNTHETIC BLENDS	SYNTHETIC COATED FABRICS	NATURAL LEATHER & FUR SKIN	NATURAL MATERIALS	METALS	OTHER: Porcelain, Ceramic, Glass, Crystal etc	FEATHERS & DOWN	POLYMERS								COATING AND PRINTS	GLUE	
										EVA	PU Foams	All other PU & TPU	Rubber excludes latex and silicon rubbers	Polycarbonate	ABS	PVC	All Other foams, plastics & Polymer			
HEAVY METALS TOTAL CONTENT	●●/H		●●/H	●●●	●●		●●●	●●●/J		●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●
HEAVY METALS, RELEASABLE NICKEL							●●●													
MONOMERS, STYRENE & VINYL CHLORIDE				●●●/K									●●/L		●●	●●●			●●●/K	
N-NITROSAMINES											●●	●●	●●							
ORGANOTIN COMPOUNDS		●●	●●	●●●	●●						●●●	●●●	●●●			●●●	●●●	●●●	●●●	●●●
ORTHO-PHENYLPHENOL (OPP)	●●	●●	●●	●●	●●														●●	
OZONE DEPLETING SUBSTANCES																				
PER - AND POLYFLUOROALKYL SUBSTANCES (PFAS)	●●●/M																			
PESTICIDES, AGRICULTURAL																				
PHTHALATES				●●●						●●●	●●●	●●●	●●●	●●	●●	●●●	●●●	●●●	●●●	●●●
POLYCLIC AROMATIC HYDROCARBONS				●●						●●●/N	●●●/N	●●●/N	●●●			●●●/N	●●●/N	●●●/N	●●●/N	●●●/N
QUINOLINE		●●	●●																	
SOLVENTS/RESIDUALS DMFa				●●●							●●●	●●●							●●●/P	●●●/P
SOLVENTS/RESIDUALS DMAC AND NMP				●●●							●●	●●					●●	●●	●●	●●
SOLVENTS/RESIDUALS FORMAMIDE										●●									●●	
UV ABSORBERS/STABILISERS										●●	●●	●●	●●	●●	●●	●●	●●	●●		
VOLATILE ORGANIC COMPOUNDS (VOCs)				●●						●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●●/Q
<b>A</b> ●●● for dyed/colored materials (non-white) only	<b>E</b> ●● for Wool materials only						<b>J</b> ●●● for Cadmium and Lead only; Crystal is exempt for Lead						<b>N</b> ●●● if Rubber or black Polymeric materials, otherwise ●●							
<b>B</b> ●● only if Flame Retardant use or contamination is suspected or if TPP use suspected in PU,TPU, or other polymeric materials	<b>F</b> ●● if extractable Chrome above 1 mg/kg only						<b>K</b> ●●● for PVC materials only. Otherwise ●●						<b>P</b> ●●● for PU and PVC- based materials only							
<b>C</b> ●● for silicone polymers only	<b>G</b> Copper is exempt from restriction limits in Metal parts						<b>L</b> ●● for Styrene/Butadiene Rubbers (SBRs) only						<b>Q</b> ●●● for glues fixed in final product							
<b>D</b> ●●● for Wood, Paper, and Straw materials only	<b>H</b> ●● for plant-based fibers only; N/A for animalbased fibers						<b>M</b> ●●● if PFAS use or contamination is suspected													

**Packaging Products version 1.0 - Examples of packaging products within the scope of the OFM. Wholesale RSL<sup>1</sup>**

OFM. Wholesale defines packaging as:

All products made of any materials of any nature to be used for the containment, protection, handling, delivery, and presentation of goods, from raw materials to processed goods, from the producer to the user or the consumer.

Hangtags	Stickers	Protective Coverings	Trimmings	Sales Packaging	Transport Packaging
<ul style="list-style-type: none"> <li>·Cords</li> <li>·Foil stamps</li> <li>·Hot stamp prints</li> <li>·Paper hang tags</li> <li>·Plastic hang tags</li> <li>·Price tags</li> <li>·Spot UV hang tags</li> <li>·UPC tags</li> </ul>	<ul style="list-style-type: none"> <li>·Antimicrobial stickers</li> <li>·Labels, adhesive</li> <li>·Price tags</li> <li>·Tape</li> </ul>	<ul style="list-style-type: none"> <li>·Lamination, matte or gloss</li> <li>·Foam material</li> <li>·Suit bags</li> <li>·Plastic cases</li> <li>·Poly bags</li> <li>·Poly bags, zippered</li> </ul>	<ul style="list-style-type: none"> <li>·Bead chain</li> <li>·Collar bands</li> <li>·Clips, metal</li> <li>·Clips, plastic</li> <li>·Eyelets/grommets</li> <li>·Magnets</li> <li>·Pins</li> <li>·Tissue paper</li> <li>·Zippers</li> <li>·J-hooks</li> <li>·Plastic fasteners</li> </ul>	<ul style="list-style-type: none"> <li>·Boxes/cartons</li> <li>·Gift boxes</li> <li>·Retail carry bags</li> <li>·Hangers (when sold with a clothing item)</li> <li>·Spot UV boxes</li> <li>·Suit bags</li> <li>·Thermal receipt paper</li> <li>·Tissue paper</li> <li>·UV coated boxes</li> <li>·Varnished coated boxes</li> <li>·Water-based (aqueous) lacquer coated boxes</li> </ul>	<ul style="list-style-type: none"> <li>·Antimicrobial stickers</li> <li>·Boxes/cartons</li> <li>·Corrugated shipping boxes/cartons</li> <li>·J board</li> <li>·Silica gel/desiccant sachets</li> <li>·Stuffing materials, expanded foam materials</li> <li>·Water-based (aqueous) lacquer-coated boxes</li> </ul>

<sup>1</sup>NOTE: This list provides examples of products within each category but is not exhaustive

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**Packaging materials version 1.0 - Examples of packaging materials within the scope of the OFM. Wholesale RSL<sup>1</sup>**

Natural Fibers	Blended Fibers	Synthetic Fibers	Coatings, Dyes & Prints	Natural Materials	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber	Metal	Glue	Natural Leather	Synthetic coated fabric
<ul style="list-style-type: none"> <li>· Cotton</li> <li>· Wool</li> <li>· Silk</li> <li>· Linen</li> <li>· Viscose (Semi-synthetic)</li> <li>· Lyocell (Semi-synthetic)</li> <li>· Cellulose</li> </ul>	<ul style="list-style-type: none"> <li>· Cotton- Polyester</li> <li>· Wool-Nylon</li> <li>· Ramie- Polyester</li> </ul>	<ul style="list-style-type: none"> <li>· Polyester</li> <li>· Acrylic</li> <li>· Nylon</li> <li>· Polyamide</li> </ul>	<ul style="list-style-type: none"> <li>· Foil stamping</li> <li>· Hot-stamp printing</li> <li>· Spot UV</li> <li>· Soft-touch coatings</li> </ul>	<ul style="list-style-type: none"> <li>· Cork</li> <li>· Wood</li> <li>· Paper</li> <li>· Straw</li> <li>· Stone</li> <li>· Cardboard</li> <li>· Jacron (semi-synthetic paper product)</li> </ul>	<ul style="list-style-type: none"> <li>· Acrylonitrile butadiene styrene (ABS)</li> <li>· Ethylene vinyl acetate (EVA)</li> <li>· Polystyrene (PS)</li> <li>· Polyethylene (PE)</li> <li>· Neoprene</li> <li>· Polypropylene (PP)</li> <li>· Polycarbonate (PC)</li> <li>· Polyamide (PA)</li> <li>· Polyurethane (PU)</li> <li>· Polyvinyl chloride (PVC)</li> <li>· Thermoplastic polyurethane (TPU)</li> <li>· Thermoplastic elastomer (TPE)</li> <li>· Styrene ethylene butylene styrene (SEBS)</li> </ul>	<ul style="list-style-type: none"> <li>· Stainless steel</li> <li>· Brass</li> <li>· Copper</li> <li>· Aluminium</li> </ul>	<ul style="list-style-type: none"> <li>· Hot melt adhesive</li> <li>· Powdered adhesive</li> <li>· Flock adhesive</li> <li>· Contact adhesive</li> <li>· Latex glue</li> <li>· Polyurethane glue</li> <li>· Neoprene cement</li> <li>· Epoxies</li> <li>· Silicone adhesive</li> <li>· UV-cured adhesive</li> </ul>	<ul style="list-style-type: none"> <li>· Leather</li> <li>· Fur &amp; Hides</li> </ul>	<ul style="list-style-type: none"> <li>· Polyurethane (PU)</li> <li>· Polyvinyl Chloride (PVC)</li> </ul>

<sup>1</sup>NOTE: This list provides examples of materials within each category but is not exhaustive

<b>Packaging Matrix OFM. Wholesale RSL 1.0</b>										
●●● indicates a high risk that a chemical is used and/or could be detected in a particular material.										
●● indicates a medium risk that a chemical is used and/or could be detected in a particular material.										
No dot indicates that there is a negligible risk of a chemical being used and/or detected in a particular material.										
SUBSTANCE	NATURAL FIBERS	BLENDED FIBERS	SYNTHETIC FIBERS	COATINGS, DYES & PRINTS	NATURAL MATERIALS including paper and cardboard	POLYMERS, PLASTICS, FOAMS, NATURAL RUBBER & SYNTHETIC RUBBER	METAL	GLUE	LEATHER Natural	SYNTHETIC COATED FABRIC
ALKYPHENOL (AP) AND ALKYPHENOL ETHOXYLATES (APEO)	●●●	●●●	●●●	●●●	●●●	●●●/A		●●●	●●●	●●●
AZO-AMINES AND ARYLAMINE SALTS	●●●/B	●●●/B	●●●/B		●●●/B				●●●/B	●●●/B
BISPHENOLS		●●●	●●●	●●●/C	●●●/D	●●/E			●●●	●●●
BROMINATED & ORGANOPHOSPHOROUS SUBSTANCES						●●/F				
BUTYLHYDROXYTOLUENE (BHT)						●●/G				
DIMETHYLFUMARATE (DMFu)						●●/H			●●	
FORMALDEHYDE	●●	●●	●●	●●●	●●●	●●/J		●●●	●●	●●
HEAVY METALS, TOTAL CONTENT (Cd, CrVI, Pb, Hg) <sup>1</sup>				●●	●●●/K	●●/L	●●		●●	
MOSH/MOAH				●●●/Q	●●●/Q	●●●/Q				
ORGANOTIN COMPOUNDS				●●●		●●●		●●●	●●	●●●
PERFLUORINATED AND POLYFLUORINATED CHEMICALS (PFAS)	<b>Prohibited</b>									
PHthalATES				●●●/M		●●●/N		●●●	●●/P	●●●
<b>A</b> ●●● for foams only; ●● for all other materials	<b>F</b> ●● for materials with recycled content or if TPP use suspected in PU, TPU, or other polymeric materials					<b>L</b> ●● for PVC only, no testing requirement for other materials				
<b>B</b> ●●● for dyed/colored materials (non-white) only	<b>G</b> ●● for poly bags only; no testing requirement for other materials					<b>M</b> ●●● for plastisol prints; ●● for all other materials				
<b>C</b> ●●● for PVC only; ●● for all other materials	<b>H</b> ●● for silica gel packets and foam packaging only; no testing requirement for other materials.					<b>N</b> ●● for polycarbonate and ABS, ●●● for all other polymers				
<b>D</b> ●●● for thermal receipt and recycled paper only; ●● for all other materials	<b>J</b> ●● for rubber only, no testing requirement for other materials					<b>P</b> ●● for patent or coated leather; no testing requirement for other materials				
<b>E</b> ●● for tapes, polycarbonate, and recycled plastic cases only; no testing requirement for other materials	<b>K</b> ●● for materials with recycled content only; no testing requirement for other materials					<b>Q</b> ●●● for recycled paper and/or printed packaging materials				

<sup>1</sup>Please note that Chromium VI, Cadmium, Lead, and Mercury are restricted to a sum total of 100 mg/kg in several jurisdictions. Cadmium, Lead, and Mercury are analyzed using the same method even if the risk of finding them varies across different materials.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>ACETOPHENONE AND 2- PHENYL-2-PROPANOL</b>					
Acetophenone	98-86-2		Extraction in acetone or methanol GC/MS, sonication for 30 minutes at 60 degrees C	< 50 mg/kg each	Potential breakdown products in EVA foam when using certain cross-linking agents, including Dicumyl Peroxide.
2-Phenyl-2-Propanol	617-94-7				
<b>ACIDIC AND ALKALINE SUBSTANCES</b>					
pH value	Various		Textiles and synthetic coated fabrics:  EN ISO 3071:2020  Leather: EN ISO 4045:2018	Textiles: 4.0-7.5  Leather: Chrome tanned: 3.2-5.5  Other: leather: 3.5-7.5	<p>pH value is a characteristic number, ranging from pH 0 to pH 14, which indirectly shows the content of acidic or alkaline substances in a product.</p> <p>pH values less than 7 indicate sources of acidic substances, and values greater than 7 indicate sources of alkaline substances.</p> <p>To avoid irritation or chemical burns to the skin, the pH value of products must be in the range of human skin— approximately pH 5.5.</p> <p>OFM. Wholesale recommends the limits cited to comply with all global regulations for all products.</p> <p>For chrome-tanned leather, the final fixing bath of the re-tanning process should always have a pH below 4.0 to guard against the formation of Chromium VI.</p>

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>ALKYLPHENOLS (AP) AND ALKYLPHENOL ETHOXYLATES (APEO) INCLUDING ALL ISOMERS</b>					
Nonylphenols (NP), mixed isomers	Various	EU: REACH Regulation 1907/2006 Annex XVII entry No. 46	Textiles and Leather: EN ISO 21084:2019	Total APs + APEOs: < 100 mg/kg	<p>APEOs can be used as or found in detergents, scouring agents, spinning oils, wetting agents, softeners, emulsifying/dispersing agents for dyes and prints, impregnating agents, de-gumming for silk production, dyes and pigment preparations, polyester padding and down/feather fillings.</p> <p>APs are used as intermediaries in the manufacture of APEOs and antioxidants used to protect or stabilize polymers.</p> <p>Biodegradation of APEOs into APs is the main source of APs in the environment.</p> <p>APEOs and formulations containing APEOs are prohibited from use throughout supply chain and manufacturing processes.</p> <p>We acknowledge that residual or trace concentrations of APEOs may still be found at levels exceeding 100 mg/kg and that more time is necessary for the supply chain to phase them out completely.</p> <p>Recycled products: Contact OFM. Wholesale for information about potential exemptions from the limit on NPEOs in recycled textile products, in particular recycled wool garments.</p>
Octylphenols (OP), mixed isomers	Various	EU: REACH Regulation 1907/2006 SVHC Candidate List	Polymers and all other materials: 1 g sample/20 mL THF, sonication for 60 minutes at 70 degrees C, analysis according to EN ISO 21084:2019		
Nonylphenol ethoxylates (NPEOs)	Various	EU: REACH Regulation 1907/2006 Annex XVII entry No. 46 + 46a	All materials except Leather: EN ISO 18254-1:2016 with determination of APEO using LC/MS or LC/MS/MS		
Octylphenol ethoxylates (OPEOs)	Various	The entry is applicable for textile articles which can reasonably be expected to be washed in water during their normal lifecycle in concentrations equal to or greater than 0.01% (100 mg/kg) by weight of that textile article or of each part of the textile article.	Leather: Sample prep and analysis using 18218-1:2023 with quantification according to EN ISO 18254-1:2016		

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>AZO-AMINES AND ARYLAMINE SALTS</b>					
4-Aminobiphenyl	92-67-1	EU: REACH Regulation 1907/2006 Annex XVII entry No. 43 + appendix 8	All materials except leather: EN ISO 14362-1:2017  Leather: EN ISO 17234-1:2024  4-Aminoazobenzene (4AAB) All materials except leather: EN ISO 14362-3: 2017  Leather: EN ISO 17234-2:2011	< 20 mg/kg each	Azo dyes and pigments are colorants that incorporate one or several azo groups (-N=N-) bound with aromatic compounds.  Thousands of azo dyes exist, but only those which degrade to form the listed cleaved amines are restricted.  Azo dyes that release these amines are regulated and should no longer be used for dyeing textiles.
Benzidine	92-87-5				
4-Chloro-o-toluidine	95-69-2				
2-Naphtylamine	91-59-8				
o-Aminoazotoluene	97-56-3				
2-Amino-4-nitrotoluene	99-55-8				
p-Chloraniline	106-47-8				
2,4-Diaminoanisole	615-05-4				
4,4'-Diaminodiphenylmethane (4,4'-MDA)	101-77-9				
3,3'-Dichlorobenzidine	91-94-1				
3,3'-Dimethoxybenzidine	119-90-4				
3,3'-Dimethylbenzidine	119-93-7				
3,3'-dimethyl-4,4'-diaminodiphenylmethane	838-88-0				
p-Cresidine	120-71-8				
4,4'-Methylen-bis(2-chloraniline)	101-14-4				
4,4'-Oxydianiline	101-80-4				
4,4'-Thiodianiline	139-65-1				
o-Toluidine	95-53-4				
2,4-Toluyldiamine (2,4-TDA)	95-80-7				
2,4,5-Trimethylaniline	137-17-7				
2-Methoxyaniline (= o-Anisidine)	90-04-0				
4-Aminoazobenzene (4-AAB)	60-09-3				
2,4-Xylidine	95-68-1				
2,6-Xylidine	87-62-7				
4-Chloro-o-toluidinium chloride	3165-93-3	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12			
2-Naphthylammoniumacetate	553-00-4				
4-Methoxy-m-phenylene diammonium sulphate	39156-41-7				
2,4,5-Trimethylaniline hydrochloride	21436-97-5				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>BIOCIDES</b>					
2-Octylisothiazol-3(2H)-on	26530-20-1		EN ISO 13365-1:2020	< 250 mg/kg	These chemicals have biocidal properties and can also be used as pesticides.
4-Chlor-3-Methylphenol (CMK)	59-50-7			< 600 mg/kg leather	
2-(Thiocyanomethylthio)-Benzothiazole (TCMTB)	21564-17-0			< 500 mg/kg	TCMTB is a preservative for leather and can be used as a pesticide.
Triclosan	3380-34-5	Triclosan is not approved by EU 528/2012		< 50 mg/kg	Triclosan can be used as disinfectant and as antibacterial agent in textiles. Triclosan can damage the liver, kidneys, heart and lungs, suppresses the immune system.
Preservatives	Various	See POP Regulation (EU) 2019/1021 Switzerland Chemical Risk Reduction (SR 814.81) BPR (EU) Nr. 528/2012 for a complete list	Chromatographic Methods and/or Methods US EPA 8081A, US EPA 8081B and US EPA 8151A	Prohibited	These chemicals have biocidal properties and can also be used as pesticides.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>BISPHENOLS</b>					
Bisphenol-A (BPA)	80-05-7	EU: REACH Regulation 1907/2006 SVHC Candidate List	<p>Leather: EN ISO 11936:2023</p> <p>All other materials:</p> <p>Extraction: 1g sample/20 ml THF, sonication for 60 minutes at 60° C, then add methanol or acetonitrile for precipitation prior to analysis with LC/MS</p>	< 1 mg/kg	<p>BPA may be used in the production of epoxy resins, polycarbonate plastics, flame retardants, and PVC.</p>
Bisphenol S (BPS)	80-09-1			<p>BPS may be used as a substitute for BPA for some specific uses, including in thermal receipt paper.</p>	
Bisphenol B (BPB)	77-40-7			<p>BPS and BPF can be found in polyamide dye fixing agents and in sulfone- and phenol- based leather synthetic tanning agents.</p>	
Bisphenol F (BPF)	620-92-8			<p>BPA and BPS can be found in recycled polymeric and paper materials due to polycarbonate plastic and thermal receipt paper made with bisphenols entering waste streams.</p>	
				<p>Textiles: &lt; 200 mg/kg each</p> <p>Leather: &lt; 800 mg/kg each</p>	<p>BPA, BPS, and BPB are included on the REACH SVHC list. Additional restrictions on the entire class of bisphenols are expected, with a revised restriction proposal forthcoming in the European Union.</p>
					<p>OFM. Wholesale recommends testing relevant materials for bisphenols according to the Testing Matrix and to work with suppliers to minimize residual concentrations or replace them with better alternatives where possible.</p>

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>BROMINATED &amp; ORGANOPHOSPHOROUS SUBSTANCES - Formerly Flame Retardants</b>					
Tri(2,3-dibromopropyl)phosphate (TRIS) <sup>1</sup>	126-72-7	EU: REACH Regulation 1907/2006 Annex XVII entry No. 4	<p>EN ISO 17881-1 (2016) for brominated flame retardants</p> <p>EN ISO 17881-2 (2016) for phosphorus flame retardants</p>	<p>&lt; 10 mg/kg each</p> <p>Sum of tetra-, penta-, hexa-, hepta-, deca-bromodiphenylethers &lt; 10 mg/kg</p> <p><sup>1</sup>Banned in textiles with skin contact</p>	<p>With very limited exceptions, flame- retardant substances, including the entire class of organohalogen flame retardants, should no longer be applied to materials during production.</p> <p>Listed here are examples of flame-retardant substances used historically across the apparel and footwear industry.</p> <p>It is not intended to be a complete list.</p> <p>Other flame retardants not applicable to this industry are regulated worldwide by the Stockholm Convention and the Aarhus Protocol, which have been implemented in the European Union under the POPs Regulation.</p> <p>The 10 mg/kg limit is established to account for incidental impurities, byproducts, and contaminants.</p> <p>Flame retardants should not be used for any other purpose, e.g., as softeners or plasticizers.</p>
Tris(aziridinyl)phosphin oxide (TEPA) <sup>1</sup>	545-55-1	EU: REACH Regulation 1907/2006 Annex XVII entry No.7			
Polybromobiphenyls (PBBs) <sup>1</sup>	59536-65-1	EU: REACH Regulation 1907/2006 Annex XVII entry No.8			
Octabromodiphenylethers (OctaBDEs)	32536-52-0	EU: REACH Regulation 1907/2006 Annex XVII entry No.45			
Polybrominated diphenyl ethers (PBDEs)	Various	EU: Regulation 2019/1021 on Persistent Organic Pollutants			
Decabromodiphenylether (DecaBDE)	1163-19-5				
Pentabromodiphenylethers (PentaBDEs)	32534-81-9				
Heptabromodiphenylethers (HeptaBDEs)	68928-80-3				
Tetrabromodiphenylethers (TetraBDEs)	40088-47-9				
Hexabromodiphenylethers (HexaBDEs)	36483-60-0				
Hexabromocyclododecane and all main diastereomers identified (alpha-, beta-, gamma-) (HBCDD)	3194-55-6 134237-50-6 134237-51-7 134237-52-8 25637-99-4				
Decabromodiphenyl ethane (DBDPE)	84852-53-9	<sup>2</sup> Included in EU: REACH Regulation 1907/2006 SVHC Candidate List			
Trixylylphosphate (TXP) <sup>2</sup>	25155-23-1				
Tetrabromobisphenol A (TBBPA) <sup>2</sup>	79-94-7				
Bis(2,3-dibromopropyl)phosphate (BIS)	5412-25-9				
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP) <sup>2</sup>	3296-90-0				
Tris(1,3-dichloro-iso-propyl)phosphate (TDCPP)	13674-87-8				
Tris(2-chloroethyl)phosphate (TCEP) <sup>2</sup>	115-96-8				
Triphenyl phosphate (TPP)	115-86-6		< 500 mg/kg	May be used as a flame retardant, an antioxidant for PU materials, or as an alternative plasticizer to orthophthalates. Now included on the REACH SVHC list.	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>CHLORINATED PARAFFINS</b>					
Short-chain Chlorinated Paraffins (SCCPs) (C10-C13)	85535-84-8	EU: Regulation 2019/1021 on Persistent Organic Pollutants  EU: REACH Regulation 1907/2006 SVHC Candidate List	Leather: ISO 18219-1:2021 (SCCP) ISO 18219-2:2021 (MCCP)	< 1000 mg/kg	May be used as softeners, flame retardants, or fat-liquoring agents in leather production; also as a plasticizer in polymer production.
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	EU: Regulation 1907/2006 Candidate List.	Textiles and all other materials: ISO 22818:2021 (SCCP + MCCP)	< 1000 mg/kg	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>CHLOROPHENOLS</b>					
Pentachlorophenol (PCP) and its salts and esters	87-86-5	EU: Regulation 2019/1021 on Persistent Organic Pollutants	All materials: EN 17134-2:2023	< 0.5 mg/kg each	<p>Chlorophenols are polychlorinated compounds used as preservatives or pesticides.</p> <p>Pentachlorophenol (PCP), Tetrachlorophenol (TeCP), and Trichlorophenols (TriCP) are sometimes used to prevent mold and kill insects when growing cotton and when storing/transporting fabrics.</p> <p>PCP, TeCP, and TriCP can also be used as in-can preservatives in print pastes and other chemical mixtures.</p>
2,3,5,6- Tetrachlorophenol (TeCP)	935-95-5	SWITZERLAND: ORRChem annex 1.2 (Art.3)			
2,3,4,6- Tetrachlorophenol (TeCP)	58-90-2				
2,3,4,5- Tetrachlorophenol (TeCP)	4901-51-3				
2,3,4-Trichlorophenol (TriCP)	15950-66-0				
2,3,5-Trichlorophenol (TriCP)	933-78-8				
2,3,6-Trichlorophenol (TriCP)	933-75-5				
2,4,5-Trichlorophenol (TriCP)	95-95-4				
2,4,6-Trichlorophenol (TriCP)	88-06-2				
3,4,5-Trichlorophenol (TriCP)	609-19-8				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>CHLORINATED BENZENES AND TOLUENES</b>					
Hexachlorobenzene (HCB)	118-74-1	EU: Regulation 2019/1021 on Persistent Organic Pollutants	All materials: EN 17137:2024	< 1 mg / kg (total)	Chlorobenzenes and Chlorotoluenes (Chlorinated Aromatic Hydrocarbons) can be used as carriers in the dyeing process of polyester or wool/ polyester fibers.  They can also be used as solvents.  Cross-contamination from anti-moth agents and poly shipping bags may cause failures.
Pentachlorobenzenes (PCB)	608-93-5				
α,α,α,4-tetrachlorotoluene; p-chlorobenzotrichloride	5216-25-1	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12			
α,α,α-trichlorotoluene; benzotrichloride	98-07-7				
α-chlorotoluene; benzyl chloride	100-44-7				
1,2,3-Trichlorobenzene	87-61-6				
1,2,4-Trichlorobenzene	120-82-1				
1,3,5-Trichlorobenzene	108-70-3				
1,2,3,4-Tetrachlorobenzene	634-66-2				
1,2,3,5-Tetrachlorobenzene	634-90-2				
1,2,4,5-Tetrachlorobenzene	95-94-3				
1,3-Dichlorobenzene	541-73-1				
1-4-Dichlorobenzene	106-46-7				
2-Chlorotoluene	95-49-8				
3-Chlorotoluene	108-41-8				
4-Chlorotoluene	106-43-4				
2,3-Dichlorotoluene	32768-54-0				
2,4-Dichlorotoluene	95-73-8				
2,5-Dichlorotoluene	19398-61-9				
2,6-Dichlorotoluene	118-69-4				
3,4-Dichlorotoluene	95-75-0				
2,3,6-Trichlorotoluene	2077-46-5				
2,4,5-Trichlorotoluene	6639-30-1				
2,3,4,5-Tetrachlorotoluene	76057-12-0				
2,3,4,6-Tetrachlorotoluene	875-40-1				
2,3,5,6-Tetrachlorotoluene	1006-31-1				
Pentachlorotoluenes	877-11-2				
1,2-Dichlorobenzene	95-50-1			< 10 mg/kg	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>CYCLOSILOXANES</b>					
Octamethylcyclotetrasiloxane (D4)	556-67-2	EU: Regulation 1907/2006 SVHC Candidate List	All materials: Ultrasonic extraction with nonchlorinated organic solvent for 30 min at 40°C then GC/MS	< 1000 mg/kg each	May be present in silicone pads and as contaminants in formulations that contain silicone, like silicone softeners and those used for prints. They are SVHCs.
Decamethylcyclopentasiloxane (D5)	541-02-6				
Dodecamethylcyclohexasiloxane (D6)	540-97-6				
<b>DIMETHYLFUMARATE (DMFu)</b>					
Dimethylfumarate (DMFu)	624-49-7	EU: REACH Regulation 1907/2006 Annex XVII entry No.61	All materials: ISO 16186:2021	< 0.1 mg/kg	DMFu is an anti-mold agent that may be used in sachets in packaging to prevent the buildup of mold, especially during shipping.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>DISPERSE DYES - ALLERGENIC</b>					
C.I. Disperse Blue 1	2475-45-8	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12	All materials: DIN 54231:2022	< 30 mg/kg each	<p>Disperse dyes are a class of water- insoluble dyes that penetrate the fiber system of synthetic or manufactured fibers and are held in place by physical forces without forming chemical bonds.</p> <p>Disperse dyes are used in synthetic fiber (e.g., polyester, acetate, polyamide).</p> <p>Restricted disperse dyes are suspected of causing allergic reactions and are prohibited from use for dyeing of textiles.</p>
C.I. Disperse Blue 35A	56524-77-7	GERMANY: The authoritative German Federal Institute for Risk Assessment (BfR) strongly advises not to use the sensitising disperse dyes listed. Please note that in Germany findings for these substances are judged according to the Lebensmittel-, Bedarfsgegenstände-, und Futtermittelgesetzbuch (LFGB), which is somehow legally binding and considered to be best practice.			
C.I. Disperse Blue 35B	56524-76-6				
C.I. Disperse Blue 106	12223-01-7				
C.I. Disperse Blue 124	61951-51-7				
C.I. Disperse Orange 3	730-40-5				
C.I. Disperse Orange 37/59/76	12223-33-5 13301-61-6 51811-42-8				
C.I. Disperse Red 1	2872-52-8				
C.I. Disperse Yellow 3	2832-40-8				
C.I. Disperse Blue 3	2475-46-9				
C.I. Disperse Blue 7	3179-90-6				
C.I. Disperse Blue 26	3860-63-7				
C.I. Disperse Blue 102	12222-97-8				
C.I. Disperse Brown 1	23355-64-8				
C.I. Disperse Orange 1	2581-69-3				
C.I. Disperse Orange 11	82-28-0				
C.I. Disperse Orange 149	85136-74-9				
C.I. Disperse Red 11	2872-48-2				
C.I. Disperse Red 17	3179-89-3				
C.I. Disperse Red 151	61968-47-6				
C.I. Disperse Yellow 1	119-15-3				
C.I. Disperse Yellow 7	6300-37-4				
C.I. Disperse Yellow 9	6373-73-5				
C.I. Disperse Yellow 23	6250-23-3				
C.I. Disperse Yellow 39	12236-29-2				
C.I. Disperse Yellow 49	54824-37-2 6858-49-7				
C.I. Disperse Yellow 56	54077-16-6				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION		
<b>DYES- CARCINOGENIC</b>							
C.I. Basic Red 9	569-61-9	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12	All materials: DIN 54231:2022	< 30 mg/kg each	Basic dyes are water- soluble cationic dyes mainly used on acrylic fibers.		
C.I. Basic Violet 3 (with ≥ 0.1 % Michler's ketone or base) <sup>1</sup>	548-62-9						
C.I. Basic Blue 26 (with ≥ 0.1 % Michler's ketone or base) <sup>1</sup>	2580-56-5						
Basic Violet 1	8004-87-3						
C.I. Basic Violet 14	632-99-5						
C.I. Basic Green 4 (oxalate, chloride or free)	2437-29-8 569-64-2 10309-95-2						
C.I. Acid Red 26	3761-53-3	<sup>1</sup> Included in EU: REACH Regulation 1907/2006 SVHC Candidate List				< 30 mg/kg each	Acid dyes are water-soluble anionic dyes mainly used on fibers such as wool, silk, and nylon.
C.I. Acid Violet 49	1694-09-3						
C.I. Direct Black 38 <sup>1</sup>	1937-37-7						
C.I. Direct Red 28 <sup>1</sup>	573-58-0						
C.I. Direct Blue 6	2602-46-2						
C.I. Direct Brown 95	16071-86-6						
4-Dimethylaminoazobenzene (Solvent Yellow 2)	60-11-7						
Solvent Yellow 14	842-07-9						
C.I. Solvent Blue 4 <sup>1</sup>	6786-83-0						
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (Solvent Violet 8) <sup>1</sup>	561-41-1 52080-58-7						
					Solvent dyes are dyes which are soluble in organic solvents, and can be used on natural and synthetic fibers.		

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>DYES - NAVY BLUE</b>					
Component 1: C39H23ClCrN7O12S.2Na	118685-33-9	EU: REACH Regulation 1907/2006 Annex XVII entry no.43 + appendix 9	All materials: DIN 54231:2022	< 30 mg/kg	Navy blue colorants are regulated and prohibited from use for dyeing of textiles.  Index 611-070-00-2
Component 2: C46H30CrN10O20S2.3Na	Not allocated				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>FLUORINATED GREENHOUSE GASES</b>					
See Regulation (EU) No 2024/573 for a complete list.	Various	EU: Regulation 2024/573 of the European Parliament and of the Council (repealing Regulation 517/2014 of the European Parliament and of the Council)	Sample preparation: Purge and trap — thermal desorption or SPME Measurement: GC/MS	< 0.1 mg/kg each	Prohibited from use. May be used as foam blowing agents, solvents, fire retardants, and aerosol propellants.
<b>FORMALDEHYDE</b>					
Formaldehyde	50-00-0	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12	All materials except leather: EN ISO 14184-1: 2011  Leather: EN ISO 17226-1:2021	< 75 mg/kg	Used in textiles as an anti-creasing and anti-shrinking agent. It is also often used in polymeric resins.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>HEAVY METALS EXTRACTABLE</b>					
Chromium VI (Cr VI)	18540-29-9	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12	EN 16711-2:2016 EN ISO 17075-1:2017 if Cr is detected	< 1 mg/kg	Though typically associated with leather tanning, Chromium VI also may be used in the "after-chroming" process for wool dyeing (Chrome salts applied to acid-dyed wool to improve fastness).
Arsenic (As)	7440-38-2		< 0.2 mg/kg	Arsenic and its compounds can be used in preservatives, pesticides, and defoliants for cotton, synthetic fibers, paints, inks, trims, and plastics.	
Cadmium (Cd)	7440-43-9		< 0.1 mg/kg	Cadmium compounds are used as pigments (especially in red, orange, yellow and green); as a stabilizer for PVC; and in fertilizers, biocides, and paints.	
Lead (Pb)	7439-92-1		< 1 mg/kg*	Lead may be associated with plastics, paints, inks, pigments and surface coatings.	
Antimony (Sb)	7440-36-0		DIN EN 16711-2:2016 Leather: DIN EN ISO 17072-1:2019	< 30 mg/kg	Found in or used as a catalyst in polymerization of polyester, flame retardants, fixing agents, pigments, and alloys.
Barium (Ba)	7440-39-3		*Crystal or "lead glass" is exempt from total Lead restrictions.	< 1000 mg/kg	Barium and its compounds can be used in pigments for inks, plastics, and surface coatings, as well as in dyeing, mordants, filler in plastics, textile finishes, and leather tanning.
Cobalt (Co)	7440-48-4		< 4 mg/kg	Cobalt and its compounds can be used in alloys, pigments, dyestuff, and the production of plastic buttons.	
Copper (Cu)	7440-50-8		< 50 mg/kg	Copper and its compounds can be found in alloys and pigments, and in textiles as an antimicrobial agent.	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>HEAVY METALS EXTRACTABLE CONTINUED</b>					
Nickel (Ni)	7440-02-0			< 1 mg/kg	Nickel and its compounds can be used for plating alloys and improving corrosion-resistance and hardness of alloys. They can also occur as impurities in pigments and alloys.
Chromium (Cr)	7440-47-3		All materials except Leather:  DIN EN 16711-2:2016	< 2 mg/kg Leather: < 200 mg/kg	Chromium compounds can be used as dyeing additives; dye-fixing agents; color-fastness after-treatmnts; dyes for wool, silk, and polyamide (especially dark shades); and leather tanning.
Mercury (Hg)	7439-97-6		Leather: DIN EN ISO 17072-1:2019	< 0.02 mg/kg	Mercury compounds can be present in pesticides and as contaminants in caustic soda (NaOH). They may also be used in paints and as catalysts in the manufacture of PU and vinyl chloride for use in PVC.
Selenium (Se)	7782-49-2			< 500 mg/kg	Selenium may be found in synthetic fibres, paints, inks, plastics and metal trims.
<b>APPLICABLE FOR LEATHER</b>					
Chromium VI (Cr VI)	18540-29-9	EU: REACH Regulation 1907/2006 ANNEX XVII entry No.47	EN ISO 17075-2:2017 Ageing test: EN ISO 10195:2021 Method A1 or A2	Not detected Detection Limit: 3 mg/kg	Though typically associated with leather tanning, Chromium VI also may be used in the "after-chroming" process for wool dyeing (Chrome salts applied to acid-dyed wool to improve fastness).

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>HEAVY METALS TOTAL CONTENT</b>					
Cadmium (Cd)	7440-43-9	EU: REACH Regulation 1907/2006 ANNEX XVII entry No.23	All materials except Leather: DIN EN 16711-1:2016  Leather: DIN EN ISO 17072-2:2019	< 40 mg/kg	<p>Heavy metals, including arsenic, cadmium, lead, and mercury may be found in pigments and dyes, metal alloys and coating, and in the PVC stabilization process.</p> <p>Cadmium may be found in low quality dyes. Arsenic, cadmium, lead, and mercury may be found in pigments, but have largely been phased out. Metal alloys and coatings may contain arsenic, cadmium, and lead.</p> <p>PVC stabilization may be accomplished with the use of cadmium or lead.</p>
Lead (Pb)	7439-92-1	EU: REACH Regulation 1907/2006 ANNEX XVII entry No.63	Non-metal: CPSC-CH-E1002-08.3 Metal: CPSC-CH-E1001-08.3 Lead in paint and surface coatings: CPSC-CH-E1003-09.1  Migration: EN 16711-3 2019	< 90 mg/kg  Migration: <0.05 micrograms/cm <sup>2</sup> /hour	
Mercury (Hg)	7439-97-6	EU:REACH Regulation 1907/2006 ANNEX XVII entry No.62	All materials except Leather: DIN EN 16711-1:2016  Leather: DIN EN ISO 17072-2:2019	< 0.5 mg/kg	
Arsenic (As)	7440-38-2			< 100 mg/kg	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>HEAVY METALS RELEASABLE NICKEL</b>					
Nickel	7440-02-0	EU:REACH Regulation 1907/2006 ANNEX XVII entry No.27	EN 12472:2020 and EN 1811:2023	Release (metal parts):  Prolonged skin contact: < 0.5 µg/cm <sup>2</sup> /week	Nickel and its compounds can be used for plating alloys and improving corrosion-resistance and hardness of alloys.
			Release (eyewear frames):  EN 16128:2015	Eyewear frames: < 0.5 µg/cm <sup>2</sup> /week	They can also occur as impurities in pigments and alloys.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>MONOMERS</b>					
Styrene, Free	100-42-5		Extraction in Methanol GC/MS, sonication at 60 degrees C for 60 minutes	< 30 mg/kg	Styrene is a precursor for polymerization and may be present in various Styrene copolymers like plastic buttons.  Free styrene is restricted, not total styrene.
Vinyl Chloride	75-01-4		EN ISO 6401:2022	< 1 mg/kg	Vinyl Chloride is a precursor for polymerization and may be present in various PVC materials like prints, coatings, flip flops, and synthetic leather.
<b>N-NITROSAMINES</b>					
N-Nitrosodibutylamine (NDBA)	924-16-3				
N-Nitrosodiethylamine (NDEA)	55-18-5				
N-Nitrosodimethylamine (NDMA)	62-75-9				
N-Nitrosodipropylamine (NDPA)	621-64-7				
N-Nitrosomorpholine (NMOR)	59-89-2				
N-Nitroso-N-ethyl-N-phenylamine (NEPhA)	612-64-6				
N-Nitroso-N-methyl-N-phenylamine (NMPHA)	614-00-6				
N-Nitroso-piperidine (NPIP)	100-75-4				
N-Nitroso-pyrrolidine (NPYR)	930-55-2				
			EN ISO 19577:2019 with LC/MS/MS verification if positive.	< 0.5 mg/kg each	Can be formed as by-product in the production of rubber.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>ORGANOTIN COMPOUNDS</b>					
Tributyltin (TBT) compounds	Various	EU: Regulation 1907/2006 REACH ANNEX XVII entry No.20	All materials: EN ISO 16179:2025 or EN ISO 22744-1:2020	< 0.5 mg/kg	<p>Class of chemicals combining tin and organics such as butyl and phenyl groups that should no longer be used in the production of apparel, footwear, and related products.</p> <p>Organotins are predominantly found in the environment as antifoulants in marine paints, but they can also be used as biocides (e.g., antibacterials), catalysts in plastic and glue production, and heat stabilizers in plastics/rubber.</p> <p>In textiles and apparel, organotins are associated with plastics/rubber, inks, paints, metallic glitter, polyurethane products and heat transfer material.</p>
Triphenyltin (TPHT) compounds	Various				
Dibutyltin (DBT) compounds	Various				
Diocetyl tin (DOT) compounds	Various				
Tricyclohexyltin (TCyHT)	Various				
Trioctyltin (TOT)	Various				
Tripropyltin (TPT)	Various				
Monobutyltin (MBT)	Various			< 1 mg/kg each	
Trimethyltin (TMT)	Various				
Monooctyltin (MOT)	Various				
Dimethyltin (DMT)	Various				
Diphenyltin (DPhT)	Various				
Dipropyltin (DPT)	Various				
Monomethyltin (MMT)	Various				
Monophenyltin (MPHT)	Various				
Tetrabutyltin (TeBT)	Various				
Tetraethyltin (TeET)	Various				
Tetraoctyltin (TeOT)	Various				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>ORTHO-PHENYLPHENOL</b>					
o-Phenylphenol (OPP)	90-43-7		All materials: EN 17134-2:2023	< 1000 mg/kg leather < 100 mg/kg other	OPP is used for its preservative properties in leather or as a carrier in polyester dyeing processes.
<b>OZONE DEPLETING SUBSTANCES</b>					
See (EU) 2024/590 for a complete list	Various	Regulation (EU) 2024/590	All materials: GC/MS headspace 120 degrees C for 45 minutes	< 5 mg/kg	Prohibited from use. Ozone-depleting substances have been used as a foaming agent in PU foams as well as a dry cleaning agent.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS) (SEE APPENDIX A FOR INDIVIDUAL SUBSTANCES)</b>					
<b>NO INTENTIONAL USE ALLOWED</b>					
All PFAS as measured by total fluorine (tf)	Various	USA	EN 14582:2016 or ASTM D7359:2023	< 50 mg/kg	<p>Regulations around the world ban the use of PFAS in apparel and footwear, with partial or full exemptions for personal protective equipment and outdoor apparel for severe wet conditions.</p> <p>PFAS may be used in commercial water-, oil-, and stain-repellent agents as well as in breathable membranes that remove moisture, e.g., PTFE.</p> <p><sup>1</sup>Refer to Appendix A for the full list of substances and CAS Numbers included in this restriction.</p> <p>Recycled products: Contact OFM. Wholesale about potential exemptions from the limit on total organic fluorine in recycled textile products.</p> <p><b>Danish legislation banning PFAS is expected to be adopted from July 2025 with a transition period of one year. The ban would apply from July 2026.</b></p> <p><b>French law no. 2025-188 of February 27, 2025 banning PFAS in Textile products and footwear is to be adopted with a transition period of 10 months. The ban would apply from 1st January 2026.</b></p>
Perfluorooctane Sulfonate (PFOS) and its salts	Various	EU: Regulation 2019/1021 on Persistent Organic Pollutants		< 0.025 mg/kg total	
PFOS-related substances	Various			< 1 mg/kg total	
Perfluorooctanoic Acid (PFOA) and its salts	Various			< 0.025 mg/kg total	
PFOA-related substances	Various			< 1 mg/kg total	
Perfluorohexane-1-sulphonic acid (PFHxS) and its salts	Various			< 0.025 mg/kg total	
PFHxS-related substances	Various			< 1 mg/kg total	
C9-C14 Perfluorocarboxylic acids (PFCAs) and their salts	Various	EU: REACH Regulation 1907/2006 Annex XVII entry No.68	All materials except leather: EN 17681-1:2025 & EN 17681-2:2022  Leather: EN ISO 23702-1:2023	< 0.025 mg/kg total	
C9-C14 PFCA-related substances	Various			< 0.26 mg/kg total	
PFHxA and its salts	Various	EU: REACH Regulation 1907/2006 Annex XVII entry No.79		< 0.025 mg/kg total	
PFHxA-related substances	Various	<b>Going into force 10 October 2026</b>		< 1 mg/kg total	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>PESTICIDES AGRICULTURAL (SEE APPENDIX B FOR INDIVIDUAL SUBSTANCES)</b>					
See Appendix B for the complete list	Various	EU: Regulation 2019/1021 on Persistent Organic Pollutants	All materials: EN ISO 15913:2003 or EPA 8081/EPA 8151A or BVL L 00.00-34:2010-09	< 0.5 mg/kg each  Methoxychlor individual limit: <0.01 mg/kg	May be found in natural fibers, primarily cotton.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>PHTHALATES</b>					
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	EU: REACH Regulation 1907/2006 Annex XVII entry No. 51	Sample preparation for all materials: CPSC-CH-C1001-09.4		Esters of ortho-phthalic acid (Phthalates) are a class of organic compound commonly added to plastics to increase flexibility.  They are sometimes used to facilitate the molding of plastic by decreasing its melting temperature.  Phthalates can be found in: · Flexible plastic components (e.g., PVC) · Print pastes · Adhesives · Plastic buttons · Plastic sleeveings · Polymeric coatings
Dibutyl phthalate (DBP)	84-74-2				
Butylbenzyl phthalate (BBP)	85-68-7				
Di-isobutyl phthalate (DIBP)	84-69-5				
Di-"isononyl" phthalate (DINP)	28553-12-0 68515-48-0	EU: REACH Regulation 1907/2006 Annex XVII entry No.52 a,b,c	Measurement:  Textiles: GC/MS, EN ISO 14389:2022 (8.1 Calculation based on weight of print only; 8.2 Calculation based on weight of print and textile if print cannot be removed).	< 500 mg/kg each  Total: < 1000 mg/kg	Listed here are all legally restricted phthalates as well as those included on the REACH substances of very high concern (SVHC) candidate list at the time of publication. Suppliers should assume that the RSL includes all phthalates on the SVHC list—whether itemized here or not— since the list is updated frequently.  Other ortho-phthalates (like DPHP) may have similar toxicological characteristics to those listed. Before using any unlisted orthophthalates, please make sure to have a sound toxicology study from your chemical supplier.
Di-"isodecyl" phthalate (DIDP)	26761-40-0 68515-49-1				
Di-n-octyl phthalate (DNOP)	117-84-0				
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	EU: REACH Regulation 1907/2006 Annex XVII entry 72 + appendix 12	All materials except textiles: GC/MS		
Di-isopentylphthalate (DIPP)	605-50-5				
Di-n-pentyl phthalate (DPP)	131-18-0				
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8				
Di-n-hexyl phthalate (DnHP)	84-75-3				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>PHTHALATES CONTINUED</b>					
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	EU: Regulation 1907/2006 Candidate List.	Sample preparation for all materials: CPSC-CH-C1001-09.4  Measurement:  Textiles: GC/MS, EN ISO 14389:2022 (8.1 Calculation based on weight of print only; 8.2 Calculation based on weight of print and textile if print cannot be removed).	< 500 mg/kg each  Total: < 1000 mg/kg	Esters of ortho-phthalic acid (Phthalates) are a class of organic compound commonly added to plastics to increase flexibility.  They are sometimes used to facilitate the molding of plastic by decreasing its melting temperature.  Phthalates can be found in: · Flexible plastic components (e.g., PVC) · Print pastes · Adhesives · Plastic buttons · Plastic sleeveings · Polymeric coatings  Listed here are all legally restricted phthalates as well as those included on the REACH substances of very high concern (SVHC) candidate list at the time of publication. Suppliers should assume that the RSL includes all phthalates on the SVHC list—whether itemized here or not— since the list is updated frequently.  Other ortho-phthalates (like DPHP) may have similar toxicological characteristics to those listed. Before using any unlisted orthophthalates, please make sure to have a sound toxicology study from your chemical supplier.
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7				
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4				
N-pentyl-isopentyl phthalate (NPIPP)	776297- 69-9				
Di-cyclohexylphthalate (DCHP)	84-61-7				
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DHxP)	68515-50-4				
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1				
Di-iso-hexylphthalate (DIHxP)	71850-09-4				
Di-n-propylphthalate (DPnP)	131-16-8				
Diethyl phthalate (DEP)	84-66-2				
Dimethyl phthalate (DMP)	131-11-3				
Di-iso-octyl phthalate (DIOP)	27554-26-3	All materials except textiles: GC/MS	For informational purposes only. OFM, Wholesale recommends testing to assess content levels		
Bis(2-propylheptyl) phthalate (DPHP)	53306-54-0				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>POLYCHLORINATED AND HALOGENATED BIPHENYLS (PCBs) AND NAPHTHALENES (PCN)</b>					
Halogenated biphenyls, including Polychlorinated biphenyl (PCB)	1336-36-3 and others	EU:Regulation 2019/1021 on Persistent Organic Pollutants	ISO/TR 17881-3:2018	Not detected	PCBs and PCNs are persistent organic pollutants and have entered the environment through both use and disposal.
Halogenated naphthalenes, including Polychlorinated naphthalenes (PCN)	70776-03-3 and others	SWITZERLAND: ORRChem annex 1.1 and 1.2 (Art.3)			PCBs and PCNs are used as plasticizers, pigments, adhesives, insecticides, flame retardants, water repellent finishes and as pesticide.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)</b>					
Benzo(a)pyrene [BaP]	50-32-8	EU: REACH Regulation 1907/2006 Annex XVII entry 72 + appendix 12	All materials: AFPS GS 2019 or EN 17132: 2019 or ISO 16190: 2021	1 mg/kg each  Total 18 PAHs: < 10 mg/kg	PAHs are natural components of crude oil and are common residues from oil refining.  PAHs have a characteristic smell similar to that of car tires or asphalt.  Oil residues containing PAHs are added to rubber and plastics as a softener or extender and may be found in rubber, plastics, lacquers and coatings.  PAHs are often found in the outsoles of footwear and in printing pastes for screen prints.  PAHs can be present as impurities in Carbon Black. They also may be formed from thermal decomposition of recycled materials during reprocessing.  <sup>1</sup> Naphthalene: Dispersing agents for textile dyes may contain high residual naphthalene concentrations due to the use of low-quality Naphthalene derivatives (e.g., poor- quality Naphthalene Sulphonate Formaldehyde condensation products).
Benzo(a)anthracene	56-55-3				
Chrysene	218-01-9				
Benzo(b)fluoranthene	205-99-2				
Benzo(k)fluoranthene	207-08-9				
Dibenzo(a,h)anthracene	53-70-3				
Benzo(e)pyrene	192-97-2				
Benzo(j)fluoranthene	205-82-3	EU: REACH Regulation 1907/2006 Annex XVII entry No. 50		No individual restriction  Total 18 PAHs: < 10 mg/kg	
Anthracene	120-12-7				
Benzo(g,h,i)perylene	191-24-2				
Fluoranthene	206-44-0				
Naphthalene <sup>1</sup>	91-20-3 *				
Phenanthrene	85-01-8				
Pyrene	129-00-0				
Acenaphthene	83-32-9	EU: Regulation 1907/2006 Candidate List			
Acenaphthylene	208-96-8				
Fluorene	86-73-7				
Indeno(1,2,3-cd)pyrene	193-39-5				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>QUINOLINE</b>					
Quinoline	91-22-5	EU: REACH Regulation 1907/2006 Annex XVII entry No.72 + appendix 12	All materials: DIN 54231:2022	< 50 mg/kg	Found as an impurity in polyester and some dyestuffs.  Quinoline can be included with disperse dye testing, as the same method is used for both. It is not expected in non-dyed materials.
<b>SOLVENTS AND RESIDUALS</b>					
DMFa (N,N Dimethylformamide)	68-12-2	EU: REACH Regulation 1907/2006 Annex XVII entry 72 + appendix 12	Textiles: EN 17131:2019  All other materials: ISO 16189:2021	< 500 mg/kg	DMFa is a solvent used in plastics, rubber, and polyurethane (PU) coating.  Water-based PU does not contain DMFa and is therefore preferable.
1-Methyl-2-pyrrolidone (NMP)	872-50-4			< 1000 mg/kg each	Industrial solvent used in production of water-based Polyurethanes and other polymeric materials.  May also be used as a surface treatment for textiles, resins, and metal-coated plastics, or as a paint stripper.
DMAC (N,N-dimethylacetamide)	127-19-5			Solvent used in the production of elastane fibers and sometimes as substitute for DMFa.	
Formamide	75-12-7	EU: Regulation 1907/2006 Candidate List		< 200 mg/kg	Byproduct in the production of EVA foams.

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>UV ABSORBERS/STABILIZERS</b>					
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	EU: Regulation 2019/1021 on Persistent Organic Pollutants EU: Regulation 1907/2006 Candidate List	ISO 24040: 2022 with extraction in THF, analysis by GC/MS	< 100 mg/kg	Used as UV absorbers for plastics (PVC, PET, PC, PA, ABS, PU and other polymers), coatings, resins, rubber, and PU foam materials such as open cell foams for padding.
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	EU: Regulation 1907/2006 Candidate List			
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1				
Bumetrizole (UV-326)	3896-11-5			< 1000 mg/kg each	
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9				
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3				
Drometrizole	2440-22-4				

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>VOLATILE ORGANIC COMPOUNDS (VOCs)</b>					
Benzene	71-43-2	EU: REACH Regulation 1907/2006 Annex XVII entry 72 + appendix 12	For general VOC screening: GC/MS headspace 45 minutes at 120 degrees C	< 1 mg/kg	<p>The VOCs listed in Appendix C represent a broad range of potentially harmful substances that can be semiquantified using the prescribed headspace method.</p> <p>These VOCs should not be used in textile auxiliary chemical preparations.</p> <p>They are associated with solvent- based processes such as solvent- based polyurethane coatings, glues/ adhesives, and polymer manufacturing.</p> <p>They should not be used for any kind of facility cleaning or spot cleaning.</p> <p>Individual VOCs should be reported if found &gt; 100 mg/kg (regardless of the limit stated) and confirmation testing may be required.</p>
<p>Volatile Organic Compounds (other) See Appendix C page 44 for a complete list</p>	Various			See appendix C for the individual limits	

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SUBSTANCE	CAS NUMBER	REGULATION	TEST METHOD	OFM. Wholesale RESTRICTED LIMIT	POTENTIAL USES & ADDITIONAL INFORMATION
<b>RESTRICTION ON PACKAGING</b>					
Cadmium (Cd)		EU: Regulation 2025/40 on packaging and and packaging waste repealing Directive 94/62/EC	CEN/TR 13695-1	The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium present in packaging or packaging components shall not exceed 100 mg/kg	Packaging means transportation packaging as well as product packaging, i.e., any material used for the containment, protection, handling, delivery, and presentation of finished goods (article).
Lead (Pb)					
Chromium (Cr6+) - hexavalent					
Mercury (Hg)					
MOAH consisting of 1 to 7 aromatic rings	Various	FRANCE: AGEC law, Article 112 of April 13, 2022 (reduction of certain critical compounds in printing inks for pack)	GC-FID/MS	< 0.1% and < 1 mg/kg MOAH compounds containing 3 to 7 aromatic rings	These mineral oils can be used in printing inks of packaging materials and recycled paper.  The implementation applies to mineral oils containing substances that disrupt the recycling of packaging waste paper or restrict the use of recycled materials because of the risk of these substances to human health.
MOSH consisting of 16 to 35 carbon atoms				< 0.1%	
Butylated Hydroxytoluene (BHT)	128-37-0		All materials: ASTM D4275	< 25 mg/kg	Used as an additive in plastics as an antioxidant to prevent aging. Can cause phenolic yellowing of textiles.
<p>Suppliers should inform their contracted packaging and/or printing companies about the MOSH/MOAH restrictions in order that they determine, in consultation with printing ink manufacturers, the permissible printing inks (free of MOSH/MOAH) within the meaning of the Arrêté du 13 Avril 2022. A declaration of conformity, whilst not yet required, will be required in the future as part of the planned EU Packaging Regulation. As part of the duty of care as a manufacturer, random checks should be carried out on the printing inks used or the printed materials.</p> <p>See packaig risk matrix on page 9.</p>					

Appendix version 1.0					
SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER
<b>APPENDIX A. PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS)<sup>1</sup></b>					
<b>PFOS and its Salts</b>		<b>PFOA and Its Salts</b>		<b>PFHxS and its Salts</b>	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	Perfluorooctanoic acid (PFOA)	335-67-1	Perfluorohexane Sulfonic acid (PFHxS)	355-46-4
<b>PFOS Related Substances</b>		<b>PFOA Related Substances</b>		<b>PFHxS Related Substances</b>	
N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)	68259-15-4
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	Methyl perfluorooctanoate (Me-PFOA) <sup>2</sup>	376-27-2	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	Ethyl perfluorooctanoate (Et-PFOA) <sup>2</sup>	3108-24-5	<sup>1</sup> <b>NOTE: This list is a subset of PFAS and is not exhaustive.</b>	
2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	2-Perfluorooctylethanol (8:2 FTOH)	678-39-7		
Perfluoro-1-octanesulfonyl fluoride (POSF)	307-35-7	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) <sup>3</sup>	27905-45-9		
Perfluorooctane sulfonamide (PFOSA)	754-91-6	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) <sup>3</sup>	1996-88-9		
<p><sup>2</sup> This substance is included as it appears in the regulation. However, as it is hydrolysed during the testing, it will never be detected or reported. Instead, it will be reported as <b>Hydrolyzed to PFOA</b>, which is also included in the regulation.</p> <p><sup>3</sup> This substance is included as it appears in the regulation. However, as it is hydrolysed during the testing, it will never be detected or reported. Instead, it will be reported as <b>Hydrolyzed to x:2 FTOH under hydrolysis conditions</b>, which is also included in the regulation.</p>					

Appendix version 1.0					
SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER
<b>APPENDIX A. PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS)<sup>1</sup> CONTINUED</b>					
<b>C9 – C14 PFCAs and Their Salts</b>		<b>C9 – C14 PFCA Related Substances</b>		<b>PFHxA and its Salts</b>	
Perfluorotetradecanoic Acid (PFTeDA, C14-PFCA)	376-06-7	1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) <sup>2</sup>	17741-60-5	Perfluorohexanoic Acid (PFHxA, C6-PFCA)	307-24-4
Perfluoro-3-7-dimethyloctanecarboxylate (PF-3,7-DMOA)	172155-07-6	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) <sup>2</sup>	2144-54-9	<b>PFHxA Related Substances</b>	
Perfluorononanoic Acid (PFNA, C9-PFCA)	375-95-1	1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH)	865-86-1	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2
Perfluorodecanoic Acid (PFDA, C10-PFCA)	335-76-2	2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	1H,1H,2H,2H-Perfluorooctanol (6:2 FTOH)	647-42-7
Perfluoroundecanoic Acid (PFUnA, C11-PFCA)	2058-94-8	Perfluorocylethanol 8:2 (8:2 FTOH)	678-39-7	1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) <sup>2</sup>	17527-29-6
Perfluorododecanoic Acid (PFDoA, C12-PFCA)	307-55-1	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA) <sup>2</sup>	2144-53-8
Perfluorotridecanoic Acid (PFTTrDA, C13-PFCA)	72629-94-8	1H,1H,2H,2H-Perfluorododecanesulphonic acid (10:2 FTS)	120226-60-0	<b><sup>1</sup>NOTE: This list is a subset of PFAS and is not exhaustive. □</b>	
<p><sup>2</sup>This substance is included as it appears in the regulation. However, as it is hydrolysed during the testing, it will never be detected or reported. Instead, it will be reported as <b>Hydrolyzed to x:2 FTOH under hydrolysis conditions</b>, which is also included in the regulation.</p>					

Appendix version 1.0					
SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER
<b>APPENDIX B. PESTICIDES AND HERBICIDES, AGRICULTURAL</b>					
2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds; 2,4,5-TP	93-72-1	Dichlofluanide	1085-98-9	Kelevane	4234-79-1
2,4,5-T	93-76-5	Dichlorprop	120-36-5	Kepone	143-50-0
2,4-D	94-75-7	Dicofol	115-32-2	Lindane	58-89-9
Aldrine	309-00-2	Dicrotophos	141-66-2	Malathione	121-75-5
Azinophosmethyl	86-50-0	Dieldrine	60-57-1	MCPA	94-74-6
Azinophosethyl	2642-71-9	Dimethoate	60-51-5	MCPB	94-81-5
Bromophos-ethyl	4824-78-6	Dinoseb, Salts and Acetate	88-85-7	Mecoprop	93-65-2
Captafol	2425-06-1	DTTB (4, 6-Dichloro-7 (2,4,5-trichloro- phenoxy) -2-Trifluoro methyl benz imidazole)	63405-99-2	Metamidophos	10265-92-6
Carbaryl	63-25-2	Endosulfan	115-29-7	Methoxychlor	72-43-5
Chlorbenzilat	510-15-6	Endosulfan, α-	959-98-8	Mirex	2385-85-5
Chlordane	57-74-9	Endosulfan, β-	33213-65-9	Monocrotophos	6923-22-4
Chlordimeform	6164-98-3	Endrine	72-20-8	Parathion-methyl	298-00-0
Chlorfenvinphos	470-90-6	Esfenvalerate	66230-04-4	Pentachloroanisole	1825-21-4
Chlorthalonil	1897-45-6	Ethylendibromid	106-93-4	Phosdrin/Mevinphos	7786-34-7
Coumaphos	56-72-4	Ethylparathione; Parathion	56-38-2	Perthane	72-56-0
Cyfluthrin	68359-37-5	Fenvalerate	51630-58-1	Propethamphos	31218-83-4
Cyhalothrin	91465-08-6	Halogenated naphthalenes, including polychlorinated naphthalenes (PCNs)	Various	Profenophos	41198-08-7
Cypermethrin	52315-07-8	Heptachlor	76-44-8	Quinalphos	13593-03-8
S,S,S-Tributyl phosphorotrithioate (Tribufos)	78-48-8	Heptachlorepoide	1024-57-3	Quintozene	82-68-8
Deltamethrin	52918-63-5	Hexabromobiphenyl	36355-01-8	Strobane	8001-50-1
DDD	53-19-0 72-54-8	a-Hexachlorcyclohexane with & without Lindane	319-84-6	TelodrinE	297-78-9
DDE	3424-82-6 72-55-9	b-Hexachlorcyclohexane with & without Lindane	319-85-7	Toxaphene	8001-35-2
DDT	50-29-3 789-02-6	g-Hexachlorcyclohexane with & without Lindane	319-86-8	Tolyfluanide	731-27-1
Diazinon	333-41-5	Hexachlorobenzene	118-74-1	Trifluralin	1582-09-8
Polychlorinated naphthalenes	70776-03-3	Isodrine	465-73-6		

Appendix version 1.0					
SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER	SUBSTANCE	CAS NUMBER
<b>APPENDIX C. VOLATILE ORGANIC COMPOUNDS</b>					
<b>VOCs with a limit of &lt; 500 mg/kg</b>					
Carbon Disulfide	75-15-0	Paraxylene	106-42-3	2-(2-Methoxyethoxy)ethanol	111-77-3
Carbon Tetrachloride	56-23-5	1,2,3-trichloropropane	96-18-4	2-ethoxyethanol	110-80-5
Chloroform	67-66-3	1,2-Dichloropropane	78-87-5	2-Methoxyethanol EGME (ethylene glycol monomethyl ether)	109-86-4
1,1-Dichloroethylene	75-35-4	2-Ethoxyethyl acetate	111-15-9	2-Methoxypropan-1-ol	1589-47-5
Pentachloroethane	76-01-7	2-Ethylhexane acid	149-57-5	EGDME (Ethylene glycol dimethyl ether)	110-71-4
1,1,1,2- Tetrachloroethane	630-20-6	Aniline	62-53-3	EGMEA (Ethylene glycol monomethyl ether acetate)	110-49-6
1,1,2,2- Tetrachloroethane	79-34-5	Bis(2-methoxyethyl)ether	111-96-6	Hexachloroethane	67-72-1
1,1,1- Trichloroethane	71-55-6	Isophorone	78-59-1	Merhylene chloride (dichloromethane)	75-09-2
1,1,2- Trichloroethane	79-00-5	THF	109-99-9	n-hexane	110-54-3
Orthoxylene	95-47-6	1-bromopropane	106-94-5	TEGDME (Triethylene glycol dimethyl ether)	112-49-2
Metaxylene	108-38-3	1-PG2MEA 1-Propanol,2-methoxy-, acetate)	70657-70-4		
<b>VOCs with a limit of &lt; 100 mg/kg</b>		<b>VOCs with a limit of &lt; 50 mg/kg</b>		<b>VOCs with a limit of &lt; 30 mg/kg</b>	
Phenol	108-95-2	Ethylbenzene	100-41-4	Xylene	1330-20-7
		Cyclohexanone	108-94-1		
		2-Butanone (MEK)	78-93-3		
		Tetrachloroethylene (PERC)	127-18-4		
		Trichloroethylene	79-01-6		
<b>VOCs with a limit of &lt; 10 mg/kg</b>					
Toluene	108-88-3	1,2-Dichloroethane	107-06-2		

## REACH ANNEX: ECHA'S CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN LAST UPDATE 05-11-2025

### NUMBER OF SUBSTANCES ON THE CANDIDATE LIST: 251

The European Chemicals Agency (ECHA) "CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN FOR AUTHORISATION" can be accessed via the following link: <https://echa.europa.eu/candidate-list-table>

The identification of a substance as a Substance of Very High Concern (SVHC) and its inclusion in the Candidate List is the first step of the authorisation procedure.

Companies may have immediate legal obligations following such inclusion which are linked to the listed substance on its own, in preparations and articles.

Specific obligations exist for importers, producers, and suppliers (regardless of geographical location) of any article that contains one or more of these substances above 0.1 percent by weight per component (>1000 mg/kg)<sup>1</sup> These obligations include:

- Notify ECHA if the substance(s) are present in article components above 0.1 percent in quantities totalling over one ton per producer or importer per year<sup>2</sup> and register the products in the SCIP database.
- Notify OFM. Wholesale immediately and provide sufficient information to allow safe use of the article to OFM. Wholesale and other clients.
- Provide sufficient information, upon request, to allow safe use of the article to a consumer within 45 days of receipt of the request.

The candidate list is updated twice per year by ECHA. The candidate list provided within this RSL reflects the situation at the time of creation of the RSL. Suppliers, importers and producers should always follow the latest version which can be found via the link above.

<sup>1</sup>European Court of Justice judgement of 10-09-2015 case C-106/14 referring to every constituent part of the article.

<sup>2</sup>Notification is not required if the substance has already been registered for that use or when the producer or importer of an article can exclude exposure of humans and the environment during the use and disposal of the article. In such cases, the producer or importer must supply appropriate instructions to the recipient of the article.

REACH Candidate List version 1.0				
Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
1	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	2025/11/05	vPvB (Article 57e)
2	tetra(sodium/potassium) 7-[(E)-[2-acetamido-4-[(E)-(4-[[4-chloro-6-([2-[[4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino)-1,3,5-triazine-2-yl]amino]propyl]amino)-1,3,5-triazine-2-yl]amino]-5-sulfonato-1-naphthyl]diazanyl]-5-methoxyphenyl]diazanyl]-1,3,6-naphthalenetrisulfonate (Reactive Brown 51)	-	2025/06/25	Toxic for reproduction (Article 57c)
3	decamethyltetrasiloxane	141-62-8	2025/06/25	vPvB (Article 57e)
4	1,1,1,3,5,5,5-heptamethyl-3-[[trimethylsilyloxy]trisiloxane	17928-28-8	2025/06/25	vPvB (Article 57e)
5	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	2025/01/21	PBT (Article 57d)
6	Perfluamine	338-83-0	2025/01/21	vPvB (Article 57e)
7	Octamethyltrisiloxane	107-51-7	2025/01/21	vPvB (Article 57e)
8	O,O,O-triphenyl phosphorothioate	597-82-0	2025/01/21	PBT (Article 57d)

REACH Candidate List version 1.0				
Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
9	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	2025/01/21	Toxic for reproduction (Article 57c)
10	Triphenyl phosphate	115-86-6	2024/11/07	Endocrine disrupting properties (Article 57(f) - environment)
11	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	2024/06/27	Toxic for reproduction (Article 57 c)
12	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	2024/01/23	vPvB (Article 57e)
13	Bumetrizole (UV-326)	3896-11-5	2024/01/23	vPvB (Article 57e)
14	2-(dimethylamino)-2-[[4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	2024/01/23	Toxic for reproduction (Article 57c)
15	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	2024/01/23	vPvB (Article 57e)
16	2,4,6-tri-tert-butylphenol	732-26-3	2024/01/23	Toxic for reproduction (Article 57c) PBT (Article 57d)
17	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	2023/06/14	Toxic for reproduction (Article 57c)
18	Bis(4-chlorophenyl) sulphone	80-07-9	2023/06/14	vPvB (Article 57e)
19	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	2023/01/17	vPvB (Article 57e)
20	Perfluoroheptanoic acid and its salts - Ammonium perfluoroheptanoate Potassium perfluoroheptanoate Perfluoroheptanoic acid Sodium perfluoroheptanoate	6130-43-4 21049-36-5 375-85-9 20109-59-5	2023/01/17	Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
21	Melamine	108-78-1	2023/01/17	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
22	Isobutyl 4-hydroxybenzoate	4247-02-3	2023/01/17	Endocrine disrupting properties (Article 57(f) - human health)
23	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	2023/01/17	vPvB (Article 57e)
24	Barium diboron tetraoxide	13701-59-2	2023/01/17	Toxic for reproduction (Article 57c)
25	4,4'-sulphonyldiphenol	80-09-1	2023/01/17	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)

REACH Candidate List version 1.0				
Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
26	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	2023/01/17	Carcinogenic (Article 57a)
27	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	2023/01/17	vPvB (Article 57e)
28	N-(hydroxymethyl)acrylamide	924-42-5	2022/06/10	Carcinogenic (Article 57a) Mutagenic (Article 57b)
29	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	2022/01/17	Toxic for reproduction (Article 57c)
30	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	2022/01/17	PBT (Article 57d)
31	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	2022/01/17	Toxic for reproduction (Article 57c)
32	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	2022/01/17	Endocrine disrupting properties (Article 57(f) - human health)
33	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)	210555-94-5 27459-10-5 27147-75-7 121158-58-5 74499-35-7 57427-55-1	2021/07/08	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
34	Orthoboric acid, sodium salt	25747-83-5 22454-04-2 14312-40-4 1333-73-9 13840-56-7 14890-53-0	2021/07/08	Toxic for reproduction (Article 57c)
35	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	1372804-76-6 85535-85-9 - 198840-65-2	2021/07/08	PBT (Article 57d) vPvB (Article 57e)
36	Glutaral	111-30-8	2021/07/08	Respiratory sensitising properties (Article 57(f) - human health)
37	4,4'-(1-methylpropylidene)bisphenol	77-40-7	2021/07/08	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
38	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	75166-31-3 80-54-6 75166-30-2	2021/07/08	Toxic for reproduction (Article 57c)
39	2,2-bis(bromomethyl)propane,1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0, 36483-57-5 1522-92-5 96-13-9	2021/07/08	Carcinogenic (Article 57a)
40	1,4-dioxane	123-91-1	2021/07/08	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)

REACH Candidate List version 1.0				
Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
41	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety  dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. Diocetyl tin dilaurate Stannane, dioctyl-, bis(coco acyloxy) derivs.	3648-18-8 91648-39-4	2021/01/19	Toxic for reproduction (Article 57c)
42	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	2021/01/19	Toxic for reproduction (Article 57c)
43	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	2020/06/25	Toxic for reproduction (Article 57c)
44	butyl 4-hydroxybenzoate	94-26-8	2020/06/25	Endocrine disrupting properties (Article 57(f) - human health)
45	2-methylimidazole	693-98-1	2020/06/25	Toxic for reproduction (Article 57c)
46	1-vinylimidazole	1072-63-5	2020/06/25	Toxic for reproduction (Article 57c)
47	Perfluorobutane sulfonic acid (PFBS) and its salts	-	2020/01/16	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
48	Diisohexyl phthalate	71850-09-4	2020/01/16	Toxic for reproduction (Article 57c)
49	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	2020/01/16	Toxic for reproduction (Article 57c)
50	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	2020/01/16	Toxic for reproduction (Article 57c)
51	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	2019/07/16	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
52	2-methoxyethyl acetate	110-49-6	2019/07/16	Toxic for reproduction (Article 57c)
53	4-tert-butylphenol	98-54-4	2019/07/16	Endocrine disrupting properties (Article 57(f) - environment)
54	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	2019/07/16	Endocrine disrupting properties (Article 57(f) - environment)
55	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	2019/01/15	Endocrine disrupting properties (Article 57(f) - environment)
56	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	2019/01/15	Toxic for reproduction (Article 57c)
57	Benzo[k]fluoranthene	207-08-9	2019/01/15	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
58	Fluoranthene	206-44-0 93951-69-0	2019/01/15	PBT (Article 57d) vPvB (Article 57e)
59	Phenanthrene	85-01-8	2019/01/15	vPvB (Article 57e)
60	Pyrene	129-00-0 1718-52-1	2019/01/15	PBT (Article 57d) vPvB (Article 57e)
61	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride	552-30-7	2018/06/27	Respiratory sensitising properties (Article 57(f) - human health)
62	Benzo[ghi]perylene	191-24-2	2018/06/27	PBT (Article 57d) vPvB (Article 57e)
63	Decamethylcyclopentasiloxane	541-02-6	2018/06/27	PBT (Article 57d) vPvB (Article 57e)
64	Dicyclohexyl phthalate (DCHP)	84-61-7	2018/06/27	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)
65	Disodium octaborate	12008-41-2	2018/06/27	Toxic for reproduction (Article 57c)

REACH Candidate List version 1.0				
Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
66	Dodecamethylcyclohexasiloxane	540-97-6	2018/06/27	PBT (Article 57d) vPvB (Article 57e)
67	Ethylenediamine	107-15-3	2018/06/27	Respiratory sensitising properties (Article 57(f) - human health)
68	Lead	7439-92-1	2018/06/27	Toxic for reproduction (Article 57c)
69	Octamethylcyclotetrasiloxane	556-67-2	2018/06/27	PBT (Article 57d) vPvB (Article 57e)
70	Terphenyl, hydrogenated	61788-32-7	2018/06/27	vPvB (Article 57e)
71	Benz[a]anthracene	56-55-3 1718-53-2	2018/01/15	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
72	Cadmium carbonate	513-78-0	2018/01/15	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
73	Cadmium hydroxide	21041-95-2	2018/01/15	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
74	Cadmium nitrate	10022-68-1 10325-94-7	2018/01/15	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
75	Chrysene	218-01-9 1719-03-5	2018/01/15	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
76	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	2018/01/15	vPvB (Article 57e)
77	fluoranthene	-	2018/01/15	Endocrine disrupting properties (Article 57(f) - environment)
78	Perfluorohexane-1-sulphonic acid and its salts	-	2017/07/07	vPvB (Article 57e)
79	4,4'-isopropylidenediphenol Bisphenol A; BPA	80-05-7	2017/01/12	Toxic for reproduction (Article 57 c)
80	4-heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	2017/01/12	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
81	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3830-45-3 3108-42-7 335-76-2	2017/01/12	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
82	p-(1,1-dimethylpropyl)phenol	80-46-6	2017/01/12	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
83	Benzo[def]chrysene	50-32-8	2016/20/06	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); PBT (Article 57 d); vPvB (Article 57 e)
84	1,3-propanesultone	1120-71-4	2015/12/17	Carcinogenic (Article 57a);
85	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	2015/12/17	vPvB (Article 57e)
86	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	2015/12/17	vPvB (Article 57e)

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Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
87	Nitrobenzene	98-95-3	2015/12/17	Toxic for reproduction (Article 57 c)
88	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	2015/12/17	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
89	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	2015/06/15	Toxic for reproduction (Article 57 c)
90	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	2015/06/15	vPvB (Article 57e)
91	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	2014/12/17; 2008/10/28	Equivalent level of concern having probable serious effects to the environment (Article 57 f); Toxic for reproduction (article 57c)
92	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014/12/17	Toxic for reproduction (Article 57 c)
93	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014/12/17	PBT (Article 57 d); vPvB (Article 57 e)
94	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-ethylhexyl]oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	2014/12/17	Toxic for reproduction (Article 57 c)
95	Cadmium fluoride	7790-79-6	2014/12/17	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
96	Cadmium sulphate	10124-36-4 31119-53-6	2014/12/17	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
97	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014/12/17	PBT (Article 57 d); vPvB (Article 57 e)
98	Cadmium chloride	10108-64-2	2014/06/16	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
99	Sodium peroxometaborate	4-4-7632	2014/06/16	Toxic for reproduction (Article 57 c)
100	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/06/16	Toxic for reproduction (Article 57 c)
101	Sodium perborate; perboric acid, sodium salt	-	2014/06/16	Toxic for reproduction (Article 57 c)
102	Trixylyl phosphate	25155-23-1	2013/12/16	Toxic for reproduction (Article 57 c);
103	Lead di(acetate)	301-04-2	2013/12/16	Toxic for reproduction (Article 57 c);
104	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	2013/12/16	Toxic for reproduction (Article 57 c);
105	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013/12/16	Carcinogenic (Article 57a);
106	Cadmium sulphide	1306-23-6	2013/12/16	Carcinogenic (Article 57a);
107	Disodium 4-amino-3-[[4'-[[2,4-diaminophenyl]azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	2013/12/16	Carcinogenic (Article 57a);
108	Dihexyl phthalate	84-75-3	2013/12/16	Toxic for reproduction (Article 57 c);
109	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013/06/20	Toxic for reproduction (Article 57 c);

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Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
110	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	2013/06/20	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
111	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013/06/20	Toxic for reproduction (Article 57 c);
112	Dipentyl phthalate (DPP)	131-18-0	2013/06/20	Toxic for reproduction (Article 57 c);
113	Cadmium	7440-43-9	2013/06/20	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
114	Cadmium oxide	1306-19-0	2013/06/20	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
115	4,4'-methylenedi-o-toluidine	838-88-0	2012/12/19	Carcinogenic (Article 57a)
116	N-pentyl-isopentylphthalate	776297-69-9	2012/12/19	Toxic for reproduction (Article 57 c)
117	4-Aminoazobenzene	60-09-3	2012/12/19	Carcinogenic (Article 57a)
118	Orange lead (lead tetroxide)	1314-41-6	2012/12/19	Toxic for reproduction (Article 57 c)
119	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012/12/19	Toxic for reproduction (Article 57 c)
120	Dimethyl sulphate	77-78-1	2012/12/19	Carcinogenic (Article 57a)
121	Heptacosafuorotetradecanoic acid	376-06-7	2012/12/19	vPvB (Article 57 e)
122	Lead titanium zirconium oxide	12626-81-2	2012/12/19	Toxic for reproduction (Article 57 c)
123	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	2012/12/19	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
124	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012/12/19	Carcinogenic (Article 57a)
125	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012/12/19	Toxic for reproduction (Article 57 c)
126	1,2-Diethoxyethane	629-14-1	2012/12/19	Toxic for reproduction (Article 57 c)
127	Sulfurous acid, lead salt, dibasic	62229-08-7	2012/12/19	Toxic for reproduction (Article 57 c)
128	1-bromopropane (n-propyl bromide)	106-94-5	2012/12/19	Toxic for reproduction (Article 57 c)
129	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012/12/19	PBT (Article 57 d); vPvB (Article 57 e)
130	Biphenyl-4-ylamine	92-67-1	2012/12/19	Carcinogenic (Article 57a)
131	Pentalead tetraoxide sulphate	12065-90-6	2012/12/19	Toxic for reproduction (Article 57 c)
132	Silicic acid, lead salt	11120-22-2	2012/12/19	Toxic for reproduction (Article 57 c)
133	o-Toluidine	95-53-4	2012/12/19	Carcinogenic (Article 57a)
134	Acetic acid, lead salt, basic	51404-69-4	2012/12/19	Toxic for reproduction (Article 57 c)
135	Dioxobis(stearato)trilead	12578-12-0	2012/12/19	Toxic for reproduction (Article 57 c)
136	Lead bis(tetrafluoroborate)	13814-96-5	2012/12/19	Toxic for reproduction (Article 57 c)
137	Lead dinitrate	10099-74-8	2012/12/19	Toxic for reproduction (Article 57 c)
138	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	2012/12/19	Toxic for reproduction (Article 57 c)
139	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7 13149-00-3 14166-21-3	2012/12/19	Equivalent level of concern having probable serious effects to human health (Article 57 f)
140	N-methylacetamide	79-16-3	2012/12/19	Toxic for reproduction (Article 57 c)
141	Pyrochlore, antimony lead yellow	8012-00-8	2012/12/19	Toxic for reproduction (Article 57 c)
142	Lead monoxide (lead oxide)	1317-36-8	2012/12/19	Toxic for reproduction (Article 57 c)

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Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
143	Tetralead trioxide sulphate	12202-17-4	2012/12/19	Toxic for reproduction (Article 57 c)
144	Trilead bis(carbonate)dihydroxide	1319-46-6	2012/12/19	Toxic for reproduction (Article 57 c)
145	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012/12/19	Equivalent level of concern having probable serious effects to human health (Article 57 f)
146	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012/12/19	Toxic for reproduction (Article 57 c)
147	N,N-dimethylformamide	68-12-2	2012/12/19	Toxic for reproduction (Article 57 c)
148	Tetraethyllead	78-00-2	2012/12/19	Toxic for reproduction (Article 57 c)
149	Methyloxirane (Propylene oxide)	75-56-9	2012/12/19	Carcinogenic (Article 57a); Mutagenic (Article 57b)
150	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	2012/12/19	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
151	Fatty acids, C16-18, lead salts	91031-62-8	2012/12/19	Toxic for reproduction (Article 57 c)
152	Trilead dioxide phosphonate	12141-20-7	2012/12/19	Toxic for reproduction (Article 57 c)
153	o-aminoazotoluene	97-56-3	2012/12/19	Carcinogenic (Article 57a)
154	[Phthalato(2-)]dioxotrilead	69011-06-9	2012/12/19	Toxic for reproduction (Article 57 c)
155	Tricosafuorododecanoic acid	307-55-1	2012/12/19	vPvB (Article 57 e)
156	Lead oxide sulfate	12036-76-9	2012/12/19	Toxic for reproduction (Article 57 c)
157	Methoxyacetic acid	625-45-6	2012/12/19	Toxic for reproduction (Article 57 c)
158	Diisopentylphthalate	605-50-5	2012/12/19	Toxic for reproduction (Article 57 c)
159	Lead cyanamidate	20837-86-9	2012/12/19	Toxic for reproduction (Article 57 c)
160	4,4'-oxydianiline and its salts	101-80-4	2012/12/19	Carcinogenic (Article 57a); Mutagenic (Article 57b)
161	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012/12/19	Carcinogenic (Article 57a)
162	Henicosafuoroundecanoic acid	2058-94-8	2012/12/19	vPvB (Article 57 e)
163	Furan	110-00-9	2012/12/19	Carcinogenic (Article 57a)
164	Pentacosafuorotridecanoic acid	72629-94-8	2012/12/19	vPvB (Article 57 e)
165	Diethyl sulphate	64-67-5	2012/12/19	Carcinogenic (Article 57a); Mutagenic (Article 57b)
166	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0 19438-60-9 48122-14-1 57110-29-9	2012/12/19	Equivalent level of concern having probable serious effects to human health (Article 57 f)
167	Dibutyltin dichloride (DBTC)	683-18-1	2012/12/19	Toxic for reproduction (Article 57 c)
168	Lead titanium trioxide	12060-00-3	2012/12/19	Toxic for reproduction (Article 57 c)
169	Formamide	75-12-7	2012/06/18	Toxic for reproduction (Article 57 c)
170	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	2012/06/18	Carcinogenic (Article 57a)
171	Diboron trioxide	1303-86-2	2012/06/18	Toxic for reproduction (Article 57 c)
172	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012/06/18	Carcinogenic (Article 57a)
173	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012/06/18	Toxic for reproduction (Article 57 c)
174	Lead(II) bis(methanesulfonate)	17570-76-2	2012/06/18	Toxic for reproduction (Article 57 c)
175	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	2012/06/18	Carcinogenic (Article 57a)
176	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	2012/06/18	Mutagenic (Article 57b)

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Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
177	4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	2012/06/18	Carcinogenic (Article 57a)
178	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	2012/06/18	Carcinogenic (Article 57a)
179	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012/06/18	Carcinogenic (Article 57a)
180	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	2012/06/18	Mutagenic (Article 57b)
181	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012/06/18	Toxic for reproduction (Article 57 c)
182	Lead styphnate	15245-44-0	2011/12/19	Toxic for reproduction (article 57 c)
183	Calcium arsenate	7778-44-1	2011/12/19	Carcinogenic (article 57 a)
184	Bis(2-methoxyethyl) ether	111-96-6	2011/12/19	Toxic for reproduction (article 57 c)
185	Phenolphthalein	77-09-8	2011/12/19	Carcinogenic (article 57 a)
186	Arsenic acid	7778-39-4	2011/12/19	Carcinogenic (article 57 a)
187	2-Methoxyaniline; o-Anisidine	90-04-0	2011/12/19	Carcinogenic (article 57 a)
188	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	2011/12/19	Carcinogenic (article 57 a)
189	Bis(2-methoxyethyl) phthalate	117-82-8	2011/12/19	Toxic for reproduction (article 57 c)
190	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	2011/12/19	Equivalent level of concern having probable serious effects to the environment (article 57 f)
191	Dichromium tris(chromate)	24613-89-6	2011/12/19	Carcinogenic (article 57 a)
192	Pentazinc chromate octahydroxide	49663-84-5	2011/12/19	Carcinogenic (article 57 a)
193	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	2011/12/19	Carcinogenic (article 57 a)
194	Lead dipicrate	6477-64-1	2011/12/19	Toxic for reproduction (article 57 c)
195	N,N-dimethylacetamide	127-19-5	2011/12/19	Toxic for reproduction (article 57 c)
196	1,2-dichloroethane	107-06-2	2011/12/19	Carcinogenic (article 57 a)
197	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	2011/12/19	Carcinogenic (article 57 a)
198	Trilead diarsenate	3687-31-8	2011/12/19	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
199	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	2011/12/19	Carcinogenic (article 57 a)
200	Lead diazide, Lead azide	13424-46-9	2011/12/19	Toxic for reproduction (article 57 c),
201	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight		2011/12/19	Carcinogenic (article 57 a)

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Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
202	Cobalt dichloride	7646-79-9	2011/06/20 - 2008/10/28	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
203	1-Methyl-2-pyrrolidone	872-50-4	2011/06/20	Toxic for reproduction (article 57c)
204	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011/06/20	Toxic for reproduction (article 57c)
205	Hydrazine	302-01-2 7803-57-8	2011/06/20	Carcinogenic (article 57a)
206	1,2,3-Trichloropropane	96-18-4	2011/06/20	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
207	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011/06/20	Toxic for reproduction (article 57c)
208	Strontium chromate	7789-06-2	2011/06/20	Carcinogenic (article 57a)
209	2-Ethoxyethyl acetate	111-15-9	2011/06/20	Toxic for reproduction (article 57c)
210	2-Ethoxyethanol	110-80-5	2010/12/15	Toxic for reproduction (article 57c)
211	Cobalt(II) diacetate	71-48-7	2010/12/15	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
212	Cobalt(II) carbonate	513-79-1	2010/12/15	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
213	Cobalt(II) sulphate	10124-43-3	2010/12/15	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
214	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	7738-94-5 13530-68-2	2010/12/15	Carcinogenic (article 57a)
215	Cobalt(II) dinitrate	10141-05-6	2010/12/15	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
216	Chromium trioxide	1333-82-0	2010/12/15	Carcinogenic and mutagenic (articles 57 a and 57 b)
217	2-Methoxyethanol	109-86-4	2010/12/15	Toxic for reproduction (article 57c)
218	Trichloroethylene	79-01-6	2010/06/18	Carcinogenic (article 57 a)
219	Sodium chromate	7775-11-3	2010/06/18	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
220	Boric acid	10043-35-3 11113-50-1	2010/06/18	Toxic for reproduction (article 57 c)
221	Potassium chromate	7789-00-6	2010/06/18	Carcinogenic and mutagenic (articles 57 a and 57 b).
222	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010/06/18	Toxic for reproduction (article 57 c)
223	Potassium dichromate	7778-50-9	2010/06/18	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
224	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	2010/06/18	Toxic for reproduction (article 57 c)
225	Ammonium dichromate	7789-09-5	2010/06/18	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
226	Acrylamide	79-06-1	2010/03/30	Carcinogenic and mutagenic (articles 57 a and 57 b)
227	2,4-Dinitrotoluene	121-14-2	2010/01/13	Carcinogenic (article 57a)
228	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010/01/13	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
229	Anthracene oil, anthracene-low	90640-82-7	2010/01/13	Carcinogenic2, mutagenic3, PBT and vPvB (articles 57a, 57b, 57d and 57e)
230	Pitch, coal tar, high temp.	65996-93-2	2010/01/13	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)
231	Anthracene oil, anthracene paste	90640-81-6	2010/01/13	Carcinogenic2, mutagenic3, PBT and vPvB (articles 57a, 57b, 57d and 57e)
232	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010/01/13	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
233	Lead chromate	7758-97-6	2010/01/13	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
234	Anthracene oil	90640-80-5	2010/01/13	Carcinogenic1, PBT and vPvB (articles 57a, 57d and 57e)
235	Diisobutyl phthalate	84-69-5	2010/01/13	Toxic for reproduction (article 57c)
236	Tris(2-chloroethyl)phosphate	115-96-8	2010/01/13	Toxic for reproduction (article 57c)
237	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010/01/13	Carcinogenic2, mutagenic3, PBT and vPvB (articles 57a, 57b, 57d and 57e)

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Nr.	Substance Name	CAS Number	Date of inclusion	Reason for inclusion
238	Anthracene oil, anthracene paste, distn. lights	91995-17-4	2010/01/13	Carcinogenic <sub>2</sub> , mutagenic <sub>3</sub> , PBT and vPvB (articles 57a, 57b, 57d and 57e)
239	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	2008/10/28	Carcinogenic (article 57a)
240	Triethyl arsenate	15606-95-8	2008/10/28	Carcinogenic (article 57a)
241	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008/10/28	vPvB (article 57e)
242	Benzyl butyl phthalate (BBP)	85-68-7	2008/10/28	Toxic for reproduction (article 57c)
243	Sodium dichromate	7789-12-0 10588-01-9	2008/10/28	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)
244	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008/10/28	PBT and vPvB (articles 57 d and 57 e)
245	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	2008/10/28	PBT (article 57d)
246	Anthracene	120-12-7	2008/10/28	PBT (article 57d)
247	Dibutyl phthalate (DBP)	84-74-2	2008/10/28	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
248	Lead hydrogen arsenate	7784-40-9	2008/10/28	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
249	Diarsenic trioxide	1327-53-3	2008/10/28	Carcinogenic (article 57a)
250	Diarsenic pentaoxide	1303-28-2	2008/10/28	Carcinogenic (article 57a)
251	Bis(tributyltin)oxide (TBTO)	56-35-9	2008/10/28	PBT (article 57d)