

REACH ANNEX XVII - Restriction List

REACH 法规附件 XVII 限制物质清单

(As of Sep 2024, a total of 79 items)

(截止到 2024.09, 共 79 项)

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
1. Polychlorinated terphenyls (PCTs) 多氯三联苯(PCTs)	Shall not be placed on the market, or used: — as substances, — in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight). 不可投放市场或使用: — 作为物质; — 在混合物中, 包括废油, 或者在设备中, 浓度大于 50mg/kg(质量分数计 0.005%)。
2. Chloroethene (vinyl chloride) 氯乙烯 CAS No 75-01-4	Shall not be used as propellant in aerosols for any use. Aerosols dispensers containing the substance as propellant shall not be placed on the market.

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<p>EC No 200-831-0</p>	<p>不可用于任何用途的气雾抛射剂。 含有该物质作为抛射剂的喷雾器不可投放市场。</p>
<p>3. Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:</p> <p>(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;</p> <p>(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;</p> <p>(c) hazard class 4.1;</p> <p>(d) hazard class 5.1.</p> <p>满足 (EC) No 1272/2008 法规附件 I 规定的以下危险分类定义的液体物质或混合物。</p>	<p>1. Shall not be used in:</p> <ul style="list-style-type: none"> — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects, <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:</p> <ul style="list-style-type: none"> — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with H304, <p>4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).</p> <p>5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:</p> <p>(a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children” ; and, by 1 December 2010, “Just a</p>

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<p>(a) 危险分类 2.1~2.4,2.6,2.7,2.8 A型和B型, 2.9,2.10,2.12,2.13 第1类和第2类, 2.14 第1类和第2类, 以及 2.15A型~F型</p> <p>(b) 危险分类 3.1~3.6,3.7 对性功能和生育能力, 或对发育的不利影响, 3.8 除麻醉外的效果, 3.9 和 3.10</p> <p>(c) 危险分类 4.1</p> <p>(d) 危险分类 5.1</p>	<p>sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage” ;</p> <p>(b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: ‘Just a sip of grill lighter fluid may lead to life threatening lung damage’ ;</p> <p>(c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.</p> <ol style="list-style-type: none"> 1. 不得在以下场合使用： <ul style="list-style-type: none"> — 通过不同的相产生光或色彩效应的装饰物, 例如装饰性的灯或烟灰缸。 — 戏法和魔术, — 由一人或者多人参与的游戏, 或任何具有类似目的的物品, 甚至具有装饰性外貌。 2. 不符合第 1 款要求的物品, 不得投放市场。 3. 下列材料若含着色剂或香料, 或两者同时含有的情况下, 除非基于财政理由, 否则不得投放市场： <ul style="list-style-type: none"> — 可用作供应给一般公众的装饰性油灯的燃料, 且 — 存在呼吸危险且被标记为 H304 4. 供应给一般公众的装饰性油灯不得投放市场, 除非它们符合欧洲标准化委员会 (CEN) 采用的欧洲装饰性油灯标准 (EN14059) 5. 在不与共同体有关规定的危险物质和混合物的分类, 包装和标签的执行情况相抵触的条件下, 供应商应确保在投放市场前, 需满足下列要求： <ol style="list-style-type: none"> (a) 用于出售给一般公众的被标记为 H304 的灯油, 并具有明显标记, 标志醒目而难以擦掉的如下字样: “请将装有此液体的灯置于儿童无法够及处”, 并于 2010 年 12 月 1 日起, 标记 “只要喝一口灯油, 甚至吮吸一下灯芯都可能危及生命的肺损害”,

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	<p>(b) 用于出售给一般公众的被标记为 H304 的打火机液体, 于 2010 年 12 月 1 日起, 标有如下醒目而不可磨灭标志着: “只要喝一口打火机油可能导致威胁生命的肺损害”;</p> <p>(c) 用于出售给一般公众的被标记为 H304 的灯油或打火机液体, 于 2010 年 12 月 1 日起应封装在不超过 1 升的黑色不透明的容器中。</p>
<p>4. Tris (2,3 dibromopropyl) phosphate 三 (2, 3-二溴丙基) 磷酸盐 CAS No 126-72-7</p>	<p>1. Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.</p> <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>1. 不可用于会与皮肤发生接触的纺织品, 例如服装, 内衣及被单等。</p> <p>2. 不符合第 1 条中规定的物品不得投放市场。</p>
<p>5. Benzene 苯 CAS No 71-43-2 EC No 200-753-7</p>	<p>1. Shall not be used in toys or parts of toys where the concentration of benzene in the free state is greater than 5 mg/kg (0.0005 %) of the weight of the toy or part of toy.</p> <p>2. Toys and parts of toys not complying with paragraph 1 shall not be placed on the market.</p> <p>3. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"> — as a substance, — as a constituent of other substances, or in mixtures, in concentrations equal to, or greater than 0.1 % by weight. <p>4. However, paragraph 3 shall not apply to:</p> <p>(a) motor fuels which are covered by Directive 98/70/EC;</p> <p>(b) substances and mixtures for use in industrial processes not allowing for the emission of benzene in quantities in excess of those laid down in existing legislation;</p>

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	<p>(c) natural gas placed on the market for use by consumers, provided that the concentration of benzene remains below 0,1 % volume/volume.</p> <ol style="list-style-type: none"> 1. 不得用于玩具或玩具部件中，即玩具或玩具部件中游离态苯的质量分数不得高于 5 mg/kg (0.0005%)。 2. 不符合第 1 条中规定的玩具和玩具部件不得投放市场。 3. 不得投放市场或使用： <ul style="list-style-type: none"> — 作为物质 — 作为其他物质的成分，或在混合物中苯的质量分数大于或等于 0.1%。 4. 第 3 条中的内容不适用于以下场合： <ol style="list-style-type: none"> (a) 98/70/EC 指令涵盖的汽车燃料。 (b) 工业过程中使用的物质或混合物，苯散发量不得超过现行法规规定。 (c) 投放市场供消费者使用的天然气，若其苯浓度小于 0.1% (v/v)。
<p>6. Asbestos fibres 石棉纤维</p> <p>(a) Crocidolite 青石棉 CAS No 12001-28-4</p> <p>(b) Amosite 铁石棉 CAS No 12172-73-5</p> <p>(c) Anthophyllite 直闪石</p>	<ol style="list-style-type: none"> 1. The manufacture, placing on the market and use of these fibres and of articles and mixtures containing these fibres added intentionally is prohibited. However, if the use of diaphragms containing chrysotile for electrolysis installations in use on 13 July 2016 had been exempted by a Member State in accordance with the version of this paragraph in force until that date, the first subparagraph shall not apply until 1 July 2025 to the use in those installations of such diaphragms or of chrysotile used exclusively in the maintenance of such diaphragms, provided that such use is carried out in compliance with the conditions of a permit set in accordance with Directive 2010/75/EU of the European Parliament and of the Council (*). Any downstream user benefiting from such an exemption shall send, by 31 January of each calendar year to the Member State in which the relevant electrolysis installation is located, a report indicating the amount of chrysotile

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<p>CAS No 77536-67-5</p> <p>(d) Actinolite</p> <p>阳起石</p> <p>CAS No 77536-66-4</p> <p>(e) Tremolite</p> <p>透闪石</p> <p>CAS No 77536-68-6</p> <p>(f) Chrysotile</p> <p>温石棉</p> <p>CAS No 12001-29-5</p> <p>CAS No 132207-32-0</p>	<p>used in diaphragms pursuant to the exemption. The Member State shall transmit a copy to the European Commission.</p> <p>Where, in order to protect the health and safety of workers, a Member State requires monitoring of chrysotile in air by downstream users, the results shall be included in that report.</p> <p>2. The use of articles containing asbestos fibres referred to in paragraph 1 which were already installed and/or in service before 1 January 2005 shall continue to be permitted until they are disposed of or reach the end of their service life. However, Member States may, for reasons of protection of human health, restrict, prohibit or make subject to specific conditions, the use of such articles before they are disposed of or reach the end of their service life.</p> <p>Member States may allow placing on the market of articles in their entirety containing asbestos fibres referred to in paragraph 1 which were already installed and/or in service before 1 January 2005, under specific conditions ensuring a high level of protection of human health. Member States shall communicate these national measures to the Commission by 1 June 2011. The Commission shall make this information publicly available.</p> <p>3. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, the placing on the market and use of articles containing these fibres, as permitted according to the preceding derogations, shall be permitted only if suppliers ensure before the placing on the market that articles bear a label in accordance with Appendix 7 to this Annex.</p> <p>1. 禁止此类纤维及故意添加此类纤维的物品的制造、投放市场及使用。</p> <p>然而，如果成员国已经根据当时版本的法规内容对 2016 年 7 月 13 日已经投放使用的电解设备中的含温石棉的隔膜进行了豁免，那么第一小段的内容在 2025 年 7 月 1 日前不适用于这些设备中隔膜的使用以及仅仅用于维护保养这类隔膜的温石棉，前提是这些应用是符合指令 2010/75/EU 中允许使用条款的。</p>

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	<p>所有受益于此条豁免的下游用户应在每个日历年的 1 月 31 日向相关的电解设备所在地的成员国发送一份报告，表明根据豁免在隔膜中使用的温石棉的量。成员国应将该报告的副本送交欧洲委员会。</p> <p>此外，为了保护工人的健康和安​​全，成员国要求下游用户监测空气中的石棉，并将监测结果包含在上述报告中。</p> <p>2. 2005 年 1 月 1 日前，允许第 1 条所提及的已安装和/或正在使用的含石棉纤维的制品的继续使用，直到其被弃置或使用期限到期时为止。但成员国出于保护健康原因可禁止用上述制品直至其被弃置或使用期限到期时为止。</p> <p>成员国可以允许在采取了具体措施能够给予人的健康高水平保护的情况下，第 1 条所提及在 2005 年 1 月前已安装和/或正在使用的含石棉纤维的物品的继续投放市场。成员国应该在 2011 年 6 月 1 日之前将这些措施告知委员会。委员会应该保证这些信息能够为公众所得。</p> <p>3. 在不与共同体对有关危险物质和混合物分类、包装和标记的其他规定的实施相抵触的条件下，如按此前废除的规定所允许出售和使用的这些纤维及含有这些纤维的制品应带有满足本法规附件 7 规定的标记。</p>
<p>7. Tris(aziridinyl)phosphin oxide 三吡啶基氧化磷 CAS No 545-55-1 EC No 208-892-5</p>	<p>1. Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.</p> <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>1. 不可用于会与皮肤发生接触的纺织品，例如服装，内衣以及被单等。</p> <p>2. 不符合第 1 条规定的物品不得投放市场。</p>
<p>8. Polybromobiphenyls; Polybrominated biphenyls (PBB) 多溴联苯，多溴化联苯 (PBB) CAS No 59536-65-1</p>	<p>1. Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.</p> <p>2. Articles not complying with paragraph 1 shall not be placed on the market.</p> <p>1. 不可用于会与皮肤发生接触的物品纺织品，例如服装，内衣以及被单等。</p> <p>2. 不符合第 1 条规定的物品不得投放市场。</p>

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<p>9. (a) Soap bark powder (<i>Quillaja saponaria</i>) and its derivatives containing saponines 肥皂树粉 (皂树) 和含有皂草苷的衍生物 CAS No 68990-67-0 EC 273-620-4</p> <p>(b) Powder of the roots of <i>Helleborus viridis</i> and <i>Helleborus niger</i> Hellebores <i>viridis</i> 和 <i>hellebores niger</i> 根茎粉</p> <p>(c) Powder of the roots of <i>Veratrum album</i> and <i>Veratrum nigrum</i> <i>Veratrum album</i> 和 <i>Veratrum nigrum</i> 根茎粉</p> <p>(d) Benzidine and/or its derivatives 对二氨基联苯和/或其衍生物 CAS No 92-87-5 EC No 202-199-1</p> <p>(e) o-Nitrobenzaldehyde 邻-硝基苯甲醛 CAS No 552-89-6</p>	<p>1. Shall not be used, in jokes and hoaxes or in mixtures or articles intended to be used as such, for instance as a constituent of sneezing powder and stink bombs.</p> <p>2. Jokes and hoaxes, or mixtures or articles intended to be used as such, not complying with paragraph 1 shall not be placed on the market.</p> <p>3. However, paragraphs 1 and 2 shall not apply to stink bombs containing not more than 1.5 ml of liquid.</p> <p>1. 不可用于戏法和恶作剧或用于此类用途的混合物或物品中, 例如使人打喷嚏的粉末和臭气弹中。</p> <p>2. 不符合第 1 条的规定的有意用于戏法和恶作剧的混合物或物品, 不得投放市场。</p> <p>3. 然而, 第 1 条和第 2 条不适用于含不多于 1.5ml 液体的臭气弹。</p>

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<p>EC No 209-025-3 (f) Wood powder 木材粉</p>	
<p>10. (a) Ammonium sulphide 硫化铵 CAS No 12135-76-1 EC No 235-223-4 (b) Ammonium hydrogen sulphide 硫氢化铵 CAS No 12124-99-1 EC No 235-184-3 (c) Ammonium polysulphide 多硫化铵 CAS No 9080-17-5 EC No 232-989-1</p>	<p>1. Shall not be used, in jokes and hoaxes or in mixtures or articles intended to be used as such, for instance as a constituent of sneezing powder and stink bombs. 2. Jokes and hoaxes, or mixtures or articles intended to be used as such, not complying with paragraph 1 shall not be placed on the market. 3. However, paragraphs 1 and 2 shall not apply to stink bombs containing not more than 1.5 ml of liquid.</p> <p>1. 不可用于戏法和恶作剧或用于此类用途的混合物或物品中，例如使人打喷嚏的粉末和臭气弹中。 2. 不符合第 1 条的规定的有意用于戏法和恶作剧的混合物或物品，不得投放市场。 3. 然而，第 1 条和第 2 条不适用于含不多于 1.5ml 液体的臭气弹。</p>
<p>11. Volatile esters of bromoacetic acids: 溴乙酸的挥发酯类: (a) Methyl bromoacetate 溴乙酸甲酯 CAS No 96-32-2 EC No 202-499-2 (b) Ethyl bromoacetate</p>	<p>1. Shall not be used, in jokes and hoaxes or in mixtures or articles intended to be used as such, for instance as a constituent of sneezing powder and stink bombs. 2. Jokes and hoaxes, or mixtures or articles intended to be used as such, not complying with paragraph 1 shall not be placed on the market. 3. However, paragraphs 1 and 2 shall not apply to stink bombs containing not more than 1.5 ml of liquid.</p> <p>1. 不可用于戏法和恶作剧或用于此类用途的混合物或物品中，例如使人打喷嚏的粉末和臭气弹中。</p>

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溴乙酸乙酯 CAS No 105-36-2 EC No 203-290-9 (c) Propyl bromoacetate 溴乙酸丙酯 CAS No 35223-80-4 (d) Butyl bromoacetate 溴乙酸丁酯 CAS No 18991-98-5 EC No 242-729-9	2. 不符合第 1 条的规定的有意用于戏法和恶作剧的混合物或物品，不得投放市场。 3. 然而，第 1 条和第 2 条不适用于含不多于 1.5ml 液体的臭气弹。
12. 2-Naphthylamine 2-萘胺 CAS No 91-59-8 EC No 202-080-4 and its salts 13. Benzidine 对二氨基联苯 CAS No 92-87-5 EC No 202-199-1 and its salts 14. 4-Nitrobiphenyl 4-硝基联苯 CAS No 92-93-3 EINECS EC No 202-204-7	The following shall apply to entries 12 to 15: Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0.1 % by weight. 以下要求适用于 12~15: 当物质或混合物中以质量计质量分数大于 0.1%时不可投放市场或使用。

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<p>15. 4-Aminobiphenyl xenylamine 4-氨基联苯 CAS No 92-67-1 EINECS EC No 202-177-1 and its salts</p>	
<p>16. Lead carbonates: 铅的碳化物: (a) Neutral anhydrous carbonate (PbCO₃) 中性无水碳酸铅 (PbCO₃) CAS No 598-63-0 EC No 209-943-4 (b) Trilead-bis(carbonate)-dihydroxide 2PbCO₃ -Pb(OH)₂ 三铅-二碳酸根-氢氧化铅 2PbCO₃- Pb(OH)₂ CAS No 1319-46-6 EC No 215-290-6</p>	<p>Shall not be placed on the market, or used, as substances or in mixtures, where the substance or mixture is intended for use as paint. However, Member States may, in accordance with the provisions of International Labour Organization (ILO) Convention 13, permit the use on their territory of the substance or mixture for the restoration and maintenance of works of art and historic buildings and their interiors, as well as the placing on the market for such use. Where a Member State makes use of this derogation, it shall inform the Commission thereof.</p> <p>禁止作为颜料的物质或混合物的组分投放市场或使用。 但是，成员国需在符合国际劳工公约（ILO）第13条有关涂料中铅白和铅的硫酸盐的规定时，方可在其境内将此类物质或混合物组分用于修复和维护艺术品和历史建筑（包含其内部维修）以及用于出于上述用途将之置于市场销售。此外，如果成员国预计使用量减少，需要通知委员会。</p>
<p>17. Lead sulphates: 铅的硫化物: (a) PbSO₄ CAS No 7446-14-2 EC No 231-198-9 (b) Pb_xSO₄</p>	<p>Shall not be placed on the market, or used, as substances or in mixtures, where the substance or mixture is intended for use as paint. However, Member States may, in accordance with the provisions of International Labour Organization (ILO) Convention 13, permit the use on their territory of the substance or mixture for the restoration and maintenance of works of art and historic buildings and their interiors, as well as the placing on the market for such use. Where a Member State makes use of this derogation, it shall inform the Commission thereof.</p>

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<p>CAS No 15739-80-7</p> <p>EC No 239-831-0</p>	<p>禁止作为颜料的物质或混合物的组分投放市场或使用。</p> <p>但是，成员国需在符合国际劳工公约（ILO）第 13 条有关涂料中铅白和铅的硫酸盐的规定时，方可在其境内将此类物质或混合物组分用于修复和维护艺术品和历史建筑（包含其内部维修）以及用于出于上述用途将之置于市场销售。此外，如果成员国预计使用量减少，需要通知委员会。</p>
<p>18. Mercury compounds</p> <p>汞化合物</p>	<p>Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use:</p> <p>(a) to prevent the fouling by micro-organisms, plants or animals of:</p> <ul style="list-style-type: none"> — the hulls of boats, — cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, — any totally or partly submerged appliances or equipment; <p>(b) in the preservation of wood;</p> <p>(c) in the impregnation of heavy-duty industrial textiles and yarn intended for their manufacture;</p> <p>(d) in the treatment of industrial waters, irrespective of their use.</p> <p>当该物质本身或作为混合物的组分用于以下用途时，不得投放市场或使用：</p> <p>(a) 防止微生物、植物或动物对下列物品的污染：</p> <ul style="list-style-type: none"> — 船壳； — 笼子，浮标，网及其他任何用于饲养鱼类和贝类水产养殖场的设施； — 任何部分或全部浸沉在水中的器具或设备。 <p>(b) 木材防腐。</p> <p>(c) 用于制造耐用的工业纺织品和纱线的浸染。</p>

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
	(e) 不考虑其用途, 用于处理工业用水。
18a. Mercury 汞 CAS No 7439-97-6 EC No 231-106-7	<ol style="list-style-type: none"> 1. Shall not be placed on the market: <ol style="list-style-type: none"> (a) in fever thermometers; (b) in other measuring devices intended for sale to the general public (such as manometers, barometers, sphygmomanometers, thermometers other than fever thermometers). 2. The restriction in paragraph 1 shall not apply to measuring devices that were in use in the Community before 3 April 2009. However Member States may restrict or prohibit the placing on the market of such measuring devices. 3. The restriction in paragraph 1(b) shall not apply to: <ol style="list-style-type: none"> (a) measuring devices more than 50 years old on 3 October 2007; (b) barometers (except barometers within point (a)) until 3 October 2009. 5. The following mercury-containing measuring devices intended for industrial and professional uses shall not be placed on the market after 10 April 2014: <ol style="list-style-type: none"> (a) barometers; (b) hygrometers; (c) manometers; (d) sphygmomanometers; (e) strain gauges to be used with plethysmographs; (f) tensiometers; (g) thermometers and other non-electrical thermometric applications. <p>The restriction shall also apply to measuring devices under points (a) to (g) which are placed on the market empty if intended to be filled with mercury.</p> 6. The restriction in paragraph 5 shall not apply to:

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	<p>(a) sphygmomanometers to be used:</p> <p>(i) in epidemiological studies which are ongoing on 10 October 2012;</p> <p>(ii) as reference standards in clinical validation studies of mercury-free sphygmomanometers;</p> <p>(b) thermometers exclusively intended to perform tests according to standards that require the use of mercury thermometers until 10 October 2017;</p> <p>(c) mercury triple point cells which are used for the calibration of platinum resistance thermometers.</p> <p>7. The following mercury-using measuring devices intended for professional and industrial uses shall not be placed on the market after 10 April 2014:</p> <p>(a) mercury pycnometers;</p> <p>(b) mercury metering devices for determination of the softening point.</p> <p>8. The restrictions in paragraphs 5 and 7 shall not apply to:</p> <p>(a) measuring devices more than 50 years old on 3 October 2007;</p> <p>(b) measuring devices which are to be displayed in public exhibitions for cultural and historical purposes.</p> <p>1. 以下情况含有汞时不得投放市场:</p> <p>(a) 用于体温计</p> <p>(b) 在公共场所销售的其他测量仪器中 (如压力计, 气压计, 血压计, 体温计以外的温度计)。</p> <p>2. 第 1 条中的限制不适用于 2009 年 4 月 3 日之前在欧共体内使用的测量仪器。但是成员国可以限制或者禁用这些测量仪器投放市场。</p> <p>3. 第 1 条(b)不适用于以下情况:</p> <p>(a) 截止 2007 年 10 月 3 日, 测量仪器有 50 年之久;</p> <p>(b) 气压计 (除了第 1 项 ((a)) 直到 2009 年 10 月 3 日。</p>

<p>Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏 Conditions of restriction 限制条件</p>
	<p>5. 以下供工业和专业使用的含汞测量工具，在 2014 年 4 月 10 日后不得投放市场：</p> <ul style="list-style-type: none"> (a) 气压计； (b) 湿度计； (c) 压力计； (d) 血压计； (e) 体积描记器用应变仪； (f) 张力计； (g) 温度计和其他非电子温度测量设备。 <p>该限制同样适用于以未灌入汞的形式但预计将会被灌入汞的形式投放市场的 (a) ~ (g) 范围内的测量仪器。</p> <p>6. 第 5 条的限制不适用于：</p> <ul style="list-style-type: none"> (a) 用于以下用途的血压计： <ul style="list-style-type: none"> (i) 持续至 2012 年 10 月 10 日的病理学研究； (ii) 作为无汞血压计的临床验证研究的参考标准； (b) 至 2017 年 10 月 10 日，专门用于需依据标准完成的要求使用水银温度计的测试； (c) 用于校准铂电阻温度计的汞三相点电池。 <p>7. 以下供工业和专业使用的含汞的测量工具，不得在 2014 年 4 月 10 日后投放市场：</p> <ul style="list-style-type: none"> (a) 汞比重瓶； (b) 用于测定软化点的计量装置。 <p>8. 第 5~7 条不适用于：</p> <ul style="list-style-type: none"> (a) 截至 2007 年 10 月 3 日，已超过 50 年的测量仪器； (b) 以历史和历史目的的公众展览中展示的测量仪器。

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19. Arsenic compounds 砷化合物	<ol style="list-style-type: none"> 1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use to prevent the fouling by micro-organisms, plants or animals of: <ul style="list-style-type: none"> — the hulls of boats, — cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, — any totally or partly submerged appliances or equipment. 2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters, irrespective of their use. 3. Shall not be used in the preservation of wood. Furthermore, wood so treated shall not be placed on the market. 4. By way of derogation from paragraph 3: <ol style="list-style-type: none"> (a) Relating to the substances and mixtures for the preservation of wood: these may only be used in industrial installations using vacuum or pressure to impregnate wood if they are solutions of inorganic compounds of the copper, chromium, arsenic (CCA) type C and if they are authorised in accordance with Article 5(1) of Directive 98/8/EC. Wood so treated shall not be placed on the market before fixation of the preservative is completed. (b) Wood treated with CCA solution in accordance with point (a) may be placed on the market for professional and industrial use provided that the structural integrity of the wood is required for human or livestock safety and skin contact by the general public during its service life is unlikely: <ul style="list-style-type: none"> — as structural timber in public and agricultural buildings, office buildings, and industrial premises, — in bridges and bridgework, — as constructional timber in freshwater areas and brackish waters, for example jetties and bridges, — as noise barriers, — in avalanche control,

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	<ul style="list-style-type: none"> — in highway safety fencing and barriers, — as debarked round conifer livestock fence posts, — in earth retaining structures, — as electric power transmission and telecommunications poles, — as underground railway sleepers. <p>(c) Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that all treated wood placed on the market is individually labelled 'For professional and industrial installation and use only, contains arsenic' . In addition, all wood placed on the market in packs shall also bear a label stating 'Wear gloves when handling this wood. Wear a dust mask and eye protection when cutting or otherwise crafting this wood. Waste from this wood shall be treated as hazardous by an authorised under-taking' .</p> <p>(d) Treated wood referred to under point (a) shall not be used:</p> <ul style="list-style-type: none"> — in residential or domestic constructions, whatever the purpose, — in any application where there is a risk of repeated skin contact, — in marine waters, — for agricultural purposes other than for livestock fence posts and structural uses in accordance with point (b), — in any application where the treated wood may come into contact with intermediate or finished products intended for human and/or animal consumption. <p>5. Wood treated with arsenic compounds that was in use in the Community before 30 September 2007, or that was placed on the market in accordance with paragraph 4 may remain in place and continue to be used until it reaches the end of its service life.</p>

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	<p>6. Wood treated with CCA type C that was in use in the Community before 30 September 2007, or that was placed on the market in accordance with paragraph 4:</p> <ul style="list-style-type: none"> — may be used or reused subject to the conditions pertaining to its use listed under points 4(b), (c) and (d), — may be placed on the market subject to the conditions pertaining to its use listed under points 4(b), (c) and (d). <p>7. Member States may allow wood treated with other types of CCA solutions that was in use in the Community before 30 September 2007:</p> <ul style="list-style-type: none"> — to be used or reused subject to the conditions pertaining to its use listed under points 4 (b), (c) and (d), — to be placed on the market subject to the conditions pertaining to its use listed under points 4(b), (c) and (d). <p>1. 不可作为物质或混合物的组分投放市场或用于防止微生物、植物或动物对下列物品的污染:</p> <ul style="list-style-type: none"> — 船壳; — 笼子, 浮标, 网及其他任何用于饲养鱼类和贝类水产养殖场的设施; — 任何部分或全部浸沉在水中的器具或设备。 <p>2. 作为不考虑其用途的处理工业用水的物质或含有该物质的混合物, 不得投放市场或使用。</p> <p>3. 不可用于木材防腐。而且, 用其处理过的木材不得投放市场上出售。</p> <p>4. 对于第 3 条, 以下内容不适用:</p> <p>(a) 关于用于木材防腐的物质或制备: 这些物质仅可用于以真空或加压浸泡木材的工业设施, 且条件是浸泡溶液是铜, 铬, 砷(简记为 CCA)的 C 型无机化合物溶液且根据 98/8/EC 指令第 5(1)条通过授权。经此种处理后的木材在防腐剂固着未完成前不可出售。</p> <p>(b) 关于(a)中用 CCA 溶液处理过的工业设备中的木材: 如其结构的整体性为人和牲畜的安全所需, 而且在其使用期限中与公众的皮肤接触的可能性很小的条件下, 可供专业人员或工业使用:</p>

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	<ul style="list-style-type: none"> — 公共建筑和农业建筑，办公大楼，工业用房中使用的建筑木材； — 桥梁及架桥工程； — 在淡水及稍咸水地区作为建筑木材，例如桥梁和防波堤； — 作为噪声屏障； — 作为防止雪崩的器械； — 作为高速公路安全围栏和路障； — 作为圆形去树皮针叶树牲畜栏柱； — 土壤保持的构造物； — 作为电力传输和电讯用电线杆； — 作为地下铁道枕木。 <p>(c) 在不与共同体对有关危险物质和混合物的分类、包装和标记的其他规定的实施相抵触的条件下，所有置于市场的经过处理的木材应单独标注：“仅供专业人员及工业设备使用，含砷”。而且，所有成捆销售的木材也应标注：处理时需戴手套，切割或其他手工制作时需戴防尘面具和护目镜。木材产生的废物应作为危害物质由经核准的相关部门处理。</p> <p>(d) 上述(a)中提到的经处理的木材不可用于以下用途：</p> <ul style="list-style-type: none"> — 用于无论何种用途的居家或家庭建筑； — 可能会与皮肤频繁接触的任何用途； — 用于装船运输中的水； — 除(ii)中牲畜栏柱和建筑以外的农业用途； — 任何可能与供人类或牲畜食用的食品或其半成品接触的用途。 <p>5. 用砷化合物处理过的木材在 2007 年 9 月 30 日前已经使用或者投放市场的，根据第 4 条可以保持在原处和继续使用直到其使用期限到期。</p> <p>6. 用 CCA 的 C 型溶液处理过的木材在 2007 年 9 月 30 日前已经使用或者投放市场的，根据第 4 条：</p>

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	<ul style="list-style-type: none"> — 与第 4 条(b)(c)(d)点相关的用途可以使用或重复使用, — 与第 4 条(b)(c)(d)点相关的用途可以投放市场。 7. 欧盟成员国可以允许 2007 年 9 月 30 日之前使用的经过 CCA 其他类型溶液处理过的木材: <ul style="list-style-type: none"> — 与第 4 条(b)(c)(d)点相关的用途可以使用或重复使用, — 与第 4 条(b)(c)(d)点相关的用途可以投放市场。
20. Organostannic compounds 有机锡化合物	<ol style="list-style-type: none"> 1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint. 2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of: <ol style="list-style-type: none"> (a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes; (b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming; (c) any totally or partly submerged appliance or equipment. 3. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters. 4. Tri-substituted organostannic compounds: <ol style="list-style-type: none"> (a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0.1 % by weight of tin. (b) Articles not complying with point (a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date. 5. Dibutyltin (DBT) compounds:


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	<p>(a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0.1 % by weight of tin.</p> <p>(b) Articles and mixtures not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.</p> <p>(c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public:</p> <ul style="list-style-type: none"> — one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives, — paints and coatings containing DBT compounds as catalysts when applied on articles, — soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, — fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications, — outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades, <p>(d) By way of derogation, points (a) and (b) shall not apply to materials and articles regulated under Regulation (EC) No 1935/2004.</p> <p>6. Dioctyltin (DOT) compound:</p> <p>(a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0.1 % by weight of tin:</p> <ul style="list-style-type: none"> — textile articles intended to come into contact with the skin, — gloves,

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	<ul style="list-style-type: none"> — footwear or part of footwear intended to come into contact with the skin, — wall and floor coverings, — childcare articles, — female hygiene products, — nappies, — two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits). <p>(b) Articles not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.</p> <ol style="list-style-type: none"> 1. 当该物质本身或作为混合物的组分在自由组合涂料中起生物杀灭作用时，不得投放市场或使用。 2. 当该物质本身或作为混合物的组分作为生物杀灭剂以防止微生物、植物或动物对以下物品的的污浊时，不得投放市场及使用： <ol style="list-style-type: none"> (a) 无论长度，航行于海，海岸，河口以及内陆水道和湖泊的船舶； (b) 笼子，浮标，网及其它任何用于饲养鱼类和贝类水产养殖场的设施； (c) 任何部分或全部浸没在水中的器具或设备。 3. 当该物质本身或作为混合物的组分用于处理工业用水时，不得投放市场或使用。 4. 三取代有机锡化合物： <ol style="list-style-type: none"> (a) 如三丁基锡 (TBT) 和三苯基锡 (TPT) 化合物，在 2010 年 7 月 1 日后不得在物品中或作为物品中的一部分使用，以锡的重量计含量不得超过 0.1%。 (b) 2010 年 7 月 1 日后不符合(a)条款的物品将不能投放市场，除非该物品在该日期之前已经在共同体内使用。 5. 二丁基锡化合物：

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	<p>(a) 2012年1月1日以后, 供应给广大一般公众的混合物或物品中, 含有或部分含有二丁基锡 (DBT) 的化合物, 按锡的重量计, 超过 0.1%时不得使用。</p> <p>(b) 2012年1月1日后不符合(a)条款的物品和混合物将不能投放市场, 除非该物品在该日期之前已经在共同体内使用。</p> <p>(c) 截止至 2015年1月1日, 下列供应给广大一般公众的物品及混合物: 对于(a)和(b)条款不做要求:</p> <ul style="list-style-type: none"> — 单组分和双组分室温硫化密封胶 (RTV-1 和 RTV-2 密封胶) 和粘合剂, — 应用在物品中时, 油漆和涂料、涂层中含有的 DBT 化合物作为催化剂时, — 软聚氯乙烯 (PVC) 或与硬质 PVC 共同挤塑的型材 — 户外应用的含 DBT 化合物的 PVC 织物涂层, — 室外雨水管, 排水管装置, 以及用于屋顶和墙面的覆盖材料, <p>(d) (a)和(b)条款不适用于(EC) No 1935/2004 规则管理下的物质和物品。</p> <p>6. 二辛基锡化合物:</p> <p>(a) 2012年1月1日以后, 供应给广大一般公众或被广大一般公众使用的以下物品中, 含有或部分含有二辛基锡 (DOT) 的化合物, 按照锡的重量计如超过 0.1%时不得使用。</p> <ul style="list-style-type: none"> — 直接接触到皮肤的纺织制品, — 手套, — 鞋类或鞋类接触到皮肤的部分, — 墙壁和地板覆盖物, — 儿童护理用品, — 女性卫生用品, — 尿布, — 双组分室温硫化成型套 (RTV-2 成型包) <p>(b) 2012年1月1日后不符合(a)条款的物品将不能投放市场, 除非该物品在该日期之前已经在共同体内使用。</p>

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
<p>21. Di-μ-oxo-di-n-butylstanniohydroxyborane/ -Dibutyltin hydrogen borate $C_8H_{19}BO_3Sn$(DBB) 二-μ-氧-二-正丁基锡羟基硼烷; 二丁基锡氢硼烷 (DBB) CAS No 75113-37-0 EC No 401-040-5</p>	<p>Shall not be placed on the market, or used, as a substance, or in mixtures in a concentration equal to, or greater than 0.1 % by weight.</p> <p>However, the first paragraph shall not apply to this substance (DBB) or mixtures containing it if these are intended solely for conversion into articles, among which this substance will no longer feature in a concentration equal to or greater than 0.1 %.</p> <p>当物质或在混合物中的浓度大于或等于 0.1%时不得投放市场或使用。 但是, 上述规定不适用于仅用于转化为成品的 DBB 或含 DBB 的混合物, 因该成品中的 DBB 浓度将不再大于或等于 0.1%。</p>
<p>23. Cadmium 镉 CAS No 7440-43-9 EC No 231-152-8 and its compounds</p>	<p>For the purpose of this entry, the codes and chapters indicated in square brackets are the codes and chapters of the tariff and statistical nomenclature of Common Customs Tariff as established by Council Regulation (EEC) No 2658/87.</p> <p>1. Shall not be used in mixtures and articles produced from the following synthetic organic polymers (hereafter referred to as plastic material):</p> <ul style="list-style-type: none"> — polymers or copolymers of vinyl chloride (PVC) [3904 10] [3904 21] — polyurethane (PUR) [3909 50] — low-density polyethylene (LDPE), with the exception of low-density polyethylene used for the production of coloured masterbatch [3901 10] — cellulose acetate (CA) [3912 11] — cellulose acetate butyrate (CAB) [3912 11] — epoxy resins [3907 30] — melamine-formaldehyde (MF) resins [3909 20] — urea-formaldehyde (UF) resins [3909 10] — unsaturated polyesters (UP) [3907 91]

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
	<ul style="list-style-type: none"> — polyethylene terephthalate (PET) [3907 60] — polybutylene terephthalate (PBT) — transparent/general-purpose polystyrene [3903 11] — acrylonitrile methacrylate (AMMA) — cross-linked polyethylene (VPE) — high-impact polystyrene — polypropylene (PP) [3902 10] <p>Mixtures and articles produced from plastic material as listed above shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0.01 % by weight of the plastic material.</p> <p>By way of derogation, the second subparagraph shall not apply to articles placed on the market before 10 December 2011.</p> <p>The first and second subparagraphs apply without prejudice to Council Directive 94/62/EC and acts adopted on its basis.</p> <p>By 19 November 2012, in accordance with Article 69, the Commission shall ask the European Chemicals Agency to prepare a dossier conforming to the requirements of Annex XV in order to assess whether the use of cadmium and its compounds in plastic material, other than that listed in subparagraph 1, should be restricted.</p> <p>2. Shall not be used or placed on the market in paints with codes [3208] [3209] in a concentration (expressed as Cd metal) equal to or greater than 0,01 % by weight.</p> <p>For paints with codes [3208] [3209] with a zinc content exceeding 10 % by weight of the paint, the concentration of cadmium (expressed as Cd metal) shall not be equal to or greater than 0,1 % by weight.</p>

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	<p>Painted articles shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0,1 % by weight of the paint on the painted article.</p> <p>3. By way of derogation, paragraphs 1 and 2 shall not apply to articles coloured with mixtures containing cadmium for safety reasons.</p> <p>4. By way of derogation, paragraph 1, second subparagraph shall not apply to:</p> <ul style="list-style-type: none"> — mixtures produced from PVC waste, hereinafter referred to as 'recovered PVC' , — mixtures and articles containing recovered PVC if their concentration of cadmium (expressed as Cd metal) does not exceed 0.1 % by weight of the plastic material in the following rigid PVC applications: <ul style="list-style-type: none"> (a) profiles and rigid sheets for building applications; (b) doors, windows, shutters, walls, blinds, fences, and roof gutters; (c) decks and terraces; (d) cable ducts; (e) pipes for non-drinking water if the recovered PVC is used in the middle layer of a multilayer pipe and is entirely covered with a layer of newly produced PVC in compliance with paragraph 1 above. <p>Suppliers shall ensure, before the placing on the market of mixtures and articles containing recovered PVC for the first time, that these are visibly, legibly and indelibly marked as follows: 'Contains recovered PVC' or with the following pictogram:</p> <div style="text-align: center;">  </div>

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	<p>In accordance with Article 69 of this Regulation, the derogation granted in paragraph 4 will be reviewed, in particular with a view to reducing the limit value for cadmium and to reassess the derogation for the applications listed in points (a) to (e), by 31 December 2017.</p> <p>5. For the purpose of this entry, 'cadmium plating' means any deposit or coating of metallic cadmium on a metallic surface.</p> <p>Shall not be used for cadmium plating metallic articles or components of the articles used in the following sectors/applications:</p> <p>(a) equipment and machinery for:</p> <ul style="list-style-type: none"> — food production [8210] [8417 20] [8419 81] [8421 11] [8421 22] [8422] [8435] [8437] [8438] [8476 11] — agriculture [8419 31] [8424 81] [8432] [8433] [8434] [8436] — cooling and freezing [8418] — printing and book-binding [8440] [8442] [8443] <p>(b) equipment and machinery for the production of:</p> <ul style="list-style-type: none"> — household goods [7321] [8421 12] [8450] [8509] [8516] — furniture [8465] [8466] [9401] [9402] [9403] [9404] — sanitary ware [7324] — central heating and air conditioning plant [7322] [8403] [8404] [8415] <p>In any case, whatever their use or intended final purpose, the placing on the market of cadmium-plated articles or components of such articles used in the sectors/applications listed in points (a) and (b) above and of articles manufactured in the sectors listed in point (b) above is prohibited.</p>

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<p>6. The provisions referred to in paragraph 5 shall also be applicable to cadmium-plated articles or components of such articles when used in the sectors/applications listed in points (a) and (b) below and to articles manufactured in the sectors listed in (b) below:</p> <p>(a) equipment and machinery for the production of:</p> <ul style="list-style-type: none"> — paper and board [8419 32] [8439] [8441] textiles and clothing [8444] [8445] [8447] [8448] [8449] [8451] [8452] <p>(b) equipment and machinery for the production of:</p> <ul style="list-style-type: none"> — industrial handling equipment and machinery [8425] [8426] [8427] [8428] [8429] [8430] [8431] — road and agricultural vehicles [chapter 87] — rolling stock [chapter 86] — vessels [chapter 89] <p>7. However, the restrictions in paragraphs 5 and 6 shall not apply to:</p> <ul style="list-style-type: none"> — articles and components of the articles used in the aeronautical, aerospace, mining, offshore and nuclear sectors whose applications require high safety standards and in safety devices in road and agricultural vehicles, rolling stock and vessels, — electrical contacts in any sector of use, where that is necessary to ensure the reliability required of the apparatus on which they are installed. <p>8. Shall not be used in brazing fillers in concentration equal to or greater than 0.01 % by weight. Brazing fillers shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0.01 % by weight. For the purpose of this paragraph brazing shall mean a joining technique using alloys and undertaken at temperatures above 450 °C.</p>

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	<p>9. By way of derogation, paragraph 8 shall not apply to brazing fillers used in defence and aerospace applications and to brazing fillers used for safety reasons.</p> <p>10. Shall not be used or placed on the market if the concentration is equal to or greater than 0.01 % by weight of the metal in:</p> <ul style="list-style-type: none"> (i) metal beads and other metal components for jewellery making; (ii) metal parts of jewellery and imitation jewellery articles and hair accessories, including: <ul style="list-style-type: none"> — bracelets, necklaces and rings, — piercing jewellery, — wrist-watches and wrist-wear, — brooches and cufflinks. <p>11. By way of derogation, paragraph 10 shall not apply to articles placed on the market before 10 December 2011 and jewellery more than 50 years old on 10 December 2011.</p> <p>为了便于登记，这些命名和编码是和欧盟理事会法规(EEC) No 2658/87 中关税和统计学的命名法一致的。</p> <p>1. 不得用于下列合成有机聚合物（以下简称“塑胶材料”）制得的混合物和物品：</p> <ul style="list-style-type: none"> — 聚氯乙烯 (PVC) [3904 10][3904 21] — 聚亚胺酯 (PUR) [3909 50] — 低密度聚乙烯酯 (LDPE), 当其用于制造有色母料时除外[3901 10] — 醋酸纤维素 (CA) [3912 11] — 乙酸丁基纤维素 (CAB) [3912 11] — 环氧树脂[3907 30] — 三聚氰胺-甲醛 (MF) 树脂[3909 20]

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	<ul style="list-style-type: none"> — 尿素-甲醛 (UF) 树脂[3909 10] — 不饱和聚酯 (UP) [3909 91] — 聚乙烯对苯二甲酸酯 (PET) [3907 60] — 聚丁烯对苯二甲酸酯 (PBT) — 透明/普通聚苯乙烯[3903 11] — 丙烯腈甲基丙烯酸酯 (AMMA) — 交联聚乙烯 (VPE) — 高耐冲聚苯乙烯 — 聚丙烯 (PP) [3902 10] <p>从上述所列的塑胶塑料中制得的混合物和物品，若镉含量（以镉元素的含量计）在塑胶材料中高于 0.01%时，不得投放市场。作为例外，第 2 小条不适用于 2011 年 12 月 10 日前投放市场的物品。</p> <p>第 1 小条和第 2 小条在应用时不应违背 94/62/E 指令以及在其基础上产生的行动。</p> <p>2012 年 11 月 19 日前，依据 REACH 法规第 69 章规定，欧盟委员会应要求 ECHA 依据附件 XV 准备物质卷宗，以评估除在以上所列的塑胶材料中使用镉是否应被限制。</p> <p>2. 含镉（以质量计）等于或大于 0.01%的涂料[3208][3209]不得使用及投放市场。 若涂料[3208][3209]中含有 10%（以质量计）以上的锌，则涂料中镉的质量百分含量不得等于或超过 0.1%（以镉元素的含量计）。 带涂层的物品中若涂料中含镉（以镉元素的含量计）等于或者超过 0.1%，不得投放市场。</p> <p>3. 作为例外，1、2 条不适用于出于安全因素而使用含镉混合物着色的物品。</p> <p>4. 作为例外，第 1 条的第二小条不适用于以下情况：</p> <ul style="list-style-type: none"> — 由 PVC 废料生产的混合物，下文称为“回收 PVC ” — 含回收 PVC 且其含镉浓度以在塑料材料中的百分比计不超过 0.1%的下列硬塑料的应用：

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<p>(f) 建筑用型材和刚性薄板;</p> <p>(g) 门, 窗, 百叶窗, 墙, 窗帘, 围墙以及屋檐;</p> <p>(h) 甲板和阶梯;</p> <p>(i) 电缆管道;</p> <p>(j) 非饮用水管道, 若回收 PVC 用于多层管道的中层, 并且外层采用符合第 1 条要求的新 PVC 。</p> <p>供应商应确保含有回收 PVC 的混合物以及物品在首次投放市场之前, 标识有清晰明了且不可磨灭的“含回收 PVC ”标记, 或者采用如下图形标识:</p> <div> </div> <p>按照本法规 69 款规定, 第 4 条授予的豁免将复审, 特别是减少镉限量值及本条(a)至(e)点应用的豁免将在 2017 年 12 月 31 日之前重新讨论。</p> <p>5. 本法规中, “镉电镀”指金属镉以任何形式沉积或包覆于金属表面。 镀镉金属物品或物品组分不可用于以下领域/用途:</p> <p>(a) 用于以下用途的设备和机器:</p> <ul style="list-style-type: none"> — 食品制造: [8210] [841720] [841981] [842111] [842122] [8422] [8435][8437][8438] [847611] — 农业: [841931] [842481] [8432] [8433] [8434] [8436] — 冷藏和冷冻[8418]

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	<ul style="list-style-type: none"> — 印刷和书籍装订[8440] [8442] [8443] (b) 用于生产以下物品的设备和机器： <ul style="list-style-type: none"> — 家用制品： [7321] [842112] [8450] [8509][8516] — 家具： [8465] [8466] [9401] [9402] [9403][9404] — 卫生用具： [7324] — 中央空调及中央供暖设备[7322][8403][8404][8415] <p>在任何情况下，不管其用途和最终目的，镀镉物品或物品部件，当用于(a)和(b)中提及的领域/用途的制品不得投放市场。</p> <p>6. 当用于以下(a)和(b)中论及的领域/用途，以及以下(b)中列出的领域制造的制品时，第 5 条所论及的规定也适用于对镀镉制品或此制品的组分：</p> <ul style="list-style-type: none"> (a) 用于制造以下物品的设备和机器： <ul style="list-style-type: none"> — 纸和纸板[841932] [8439] [8441] — 纺织品和服装[8444][8445][8447] [8448] [8449] [8451] [8452] (b) 用于生产以下物品的设备和机器： <ul style="list-style-type: none"> — 工业加工设备和机器[8425][8426] [8427] [8428] [8429] [8430] [8431] — 公路与农用车辆 [第 87 章] — 铁路或汽车公司的运输工具 [第 86 章] — 船舶[第 89 章] <p>7. 但是，第 5,6 条的限制不适用于：</p> <ul style="list-style-type: none"> — 用于航空的，航天的，矿产开采的，近海的和核能部门的，其用途要求高安全标准和公路与农用车辆，全部车辆和船舶中的安全设施时的制品或制品组分； — 出于安全设备可靠性的考虑，用于任何部门的电气插头。 <p>8. 钎焊填料中，镉的质量百分含量不得等于或者大于 0.01% 。</p>

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	<p>当钎焊填料中镉的浓度等于大于 0.01%时，不得投放市场。 本条中钎焊指在 450°C 以上使用合金的连接技术。</p> <p>9. 作为例外，第 8 条不适用于国防、航天用途以及出于安全因素而使用的钎焊填料。</p> <p>10. 镉的质量百分含量等于或者大于 0.01% 的以下物品不得置于市场：</p> <p>(i) 用于制造珠宝首饰的金属珠子及其他金属部件；</p> <p>(ii) 首饰、仿制首饰以及发饰，包括：</p> <ul style="list-style-type: none"> — 手镯，项链，戒指； — 穿刺首饰； — 腕表，腕戴； — 胸针，袖扣。 <p>11. 第 10 条不适用于 2012 年 1 月 10 日之前投放市场的物品，和到 2012 年 1 月 10 日为止超过 50 年的首饰。</p>
<p>24. Monomethyl - tetrachlorodiphenylmethane 单甲基-四氯二苯基甲烷 Trade name: Ugilec 141 CAS No 76253-60-6</p>	<p>1. Shall not be placed on the market, or used, as a substance or in mixtures. Articles containing the substance shall not be placed on the market.</p> <p>2. By way of derogation, paragraph 1 shall not apply:</p> <p>(a) in the case of plant and machinery already in service on 18 June 1994, until such plant and machinery is disposed of;</p> <p>(b) in the case of the maintenance of plant and machinery already in service within a Member State on 18 June 1994.</p> <p>For the purposes of point (a) Member States may, on grounds of human health protection and environmental protection, prohibit within their territory the use of such plant or machinery before it is disposed of.</p> <p>1. 作为物质或混合物中的成分，不得投放市场或使用。</p>

REACH法规限制物质清单

<p>Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏 Conditions of restriction 限制条件</p>
	<p>含有该物质的物品不得投放市场。</p> <p>2. 作为例外, 第 1 条中的规定不适用于:</p> <p>(a) 到 1994 年 6 月 18 日已经在使用的设备和机器, 直到这些设备和机器被弃置;</p> <p>(b) 到 1994 年 6 月 18 日已经在某一成员国内使用的设备和机器。</p> <p>对于第 2 条中的(a), 成员国可以基于保护人类健康和保护环境的目的, 在其境内在这些设备和机器被弃置前禁止使用。</p>
<p>25. Monomethyl-dichloro-diphenyl methane 单甲基-二氯-二苯甲烷 Trade name: Ugilec 121 Ugilec 21</p>	<p>Shall not be placed on the market, or used, as a substance or in mixtures. Articles containing the substance shall not be placed on the market.</p> <p>作为物质或者含有该物质的混合物, 不得投放市场或使用。 含有该物质的物品不得投放市场。</p>
<p>26. Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers 单甲基-二溴-二苯甲烷; 溴苯甲基甲苯, 异构体混合物 Trade name: DBBT CAS No 99688-47-8</p>	<p>Shall not be placed on the market, or used, as a substance or in mixtures. Articles containing the substance shall not be placed on the market.</p> <p>作为物质或者含有该物质的混合物, 不得投放市场或使用。 含有该物质的物品不得投放市场。</p>
<p>27. Nickel 镍 CAS No 7440-02-0 EC No 231-111-4 and its compounds</p>	<p>1. Shall not be used:</p> <p>(a) in any post assemblies which are inserted into pierced ears and other pierced parts of the human body unless the rate of nickel release from such post assemblies is less than 0.2 µg/cm²/week. (migration limit);</p> <p>(b) in articles intended to come into direct and prolonged contact with the skin such as:</p> <p>— earrings,</p>

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
	<ul style="list-style-type: none"> — necklaces, bracelets and chains, anklets, finger rings, — wrist-watch cases, watch straps and tighteners, — rivet buttons, tighteners, rivets, zippers and metal marks, when these are used in garments, if the rate of nickel release from the parts of these articles coming into direct and prolonged contact with the skin is greater than 0.5 µg/cm²/week. <p>(c) in articles referred to in point (b) where these have a non-nickel coating unless such coating is sufficient to ensure that the rate of nickel release from those parts of such articles coming into direct and prolonged contact with the skin will not exceed 0,5µg/cm²/week for a period of at least two years of normal use of the article.</p> <p>2. Articles which are the subject of paragraph 1 shall not be placed on the market unless they conform to the requirements set out in that paragraph.</p> <p>3. The standards adopted by the European Committee for Standardisation (CEN) shall be used as the test methods for demonstrating the conformity of articles to paragraphs 1 and 2.</p> <p>1. 不得用于:</p> <p>(a) 在由穿刺引起的伤口愈合过程中插入耳孔和人体其他刺穿部位的耳钉或其他类似物品, 除非其中镍的释放量低于 0.2µg/cm²/周(迁移限量)。</p> <p>(b) 与皮肤有直接长期接触的物品, 如</p> <ul style="list-style-type: none"> — 耳环; — 项链, 手镯和手链, 踝饰, 戒指; — 手表壳, 表带和带扣; — 铆扣, 搭扣, 铆钉, 拉链和金属标牌等用在服装上的物品;

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<p>如果这些与皮肤有直接长期接触的物品中镍的释放速率超过 0.5µg /cm²/周。</p> <p>(c) 对于那些在 1(b)中列出的具有无镍镀层的制品, 除非这种镀层足以保证在至少 2 年的正常使用过程中, 从这些制品的与皮肤有直接长期接触的部位释放出的镍不超过 0.5µg/cm²/周。</p> <p>2. 第 1 条中的物品, 除非其符合规定的要求, 否则不得投放市场。</p> <p>3. 欧盟标准委员会(CEN) 所批准的标准可作为检验制品是否满足第 1, 2 条要求的检测方法。</p>
<p>28. Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively</p> <p>欧盟法规(EC) No 1272/2008 附件 6 第 3 部分中分类为第 1A, 1B 类致癌物质, 分别列在附录 1 和附录 2 中</p> <p>29. Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.</p> <p>欧盟法规(EC) No 1272/2008 附件 6 第 3 部分中分类为第 1A, 1B 类致基因突变物质, 分别列在附录 3 和附录 4 中</p>	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <p>1. Shall not be placed on the market, or used,</p> <ul style="list-style-type: none"> — as substances, — as constituents of other substances, or, — in mixtures, <p>for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:</p> <ul style="list-style-type: none"> — either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, — the relevant generic concentration limit specified in Part 3 of Annex I to Regulation (EC) No 1272/2008. <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p style="text-align: center;">'Restricted to professional users' .</p> <p>2. By way of derogation, paragraph 1 shall not apply to:</p> <ul style="list-style-type: none"> (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC;

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
<p>30. Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.</p> <p>欧盟法规(EC) No 1272/2008 附件 6 第 3 部分中分类为第 1A, 1B 类生殖毒性物质, 分别列在附录 5 和附录 6 中</p>	<p>(c) the following fuels and oil products:</p> <ul style="list-style-type: none"> — motor fuels which are covered by Directive 98/70/EC, — mineral oil products intended for use as fuel in mobile or fixed combustion plants, — fuels sold in closed systems (e.g. liquid gas bottles); <p>(d) artists' paints covered by Regulation (EC) No 1272/2008.</p> <p>(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.</p> <p>(f) devices covered by Regulation (EU) 2017/745.</p> <p>在不违背本附件其他部分的情况下, 下列规定适用于序号 28~30 中的物质。</p> <p>1. 不得投放市场或使用:</p> <ul style="list-style-type: none"> — 作为物质; — 作为其他物质的组成成分; — 在混合物中, <p>当物质或混合物中个别浓度大于或等于以下规定, 投放市场出售给一般公众:</p> <ul style="list-style-type: none"> — 欧盟法规(EC) No 1272/2008 附件 6 第三部分中规定的相关特定浓度; — 欧盟法规(EC) No 1272/2008 附件 I 第三部分中规定的相关通用浓度。 <p>在不违反欧盟危险物质与混合物的分类、包装和标签的欧盟法规之规定下, 供应商应在投放市场前确保该物质或混合物包装应以不可磨灭的方式清楚标示如下字样:</p> <p>“仅限专业人员使用”。</p> <p>2. 作为例外, 第 1 条不适用于以下情况:</p> <p>(a) 指令 2001/82/EC 和指令 2001/83/EC 所定义的医药和兽药;</p>

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<p>(b) 指令 76/768/EEC 所定义的化妆品;</p> <p>(c) 下列的燃料和石油产品:</p> <ul style="list-style-type: none"> — 指令 98/70/EC 所涵盖的车用燃料; — 作为车辆或定点燃料的矿物油 — 装在密闭系统中出售的燃料 (如装液态瓦斯的瓶子) <p>(d) 指令 1999/45/EC 中涵盖的绘画颜料;</p> <p>(e) 列于附录 11 中第一栏的物质, 应用于第二栏中的用途, 从第二栏规定的日期开始, 该豁免将生效;</p> <p>(f) 欧盟法规(EU) 2017/745 覆盖的医疗器械产品。</p>
<p>31. (a) Creosote; wash oil 杂酚油; 清洗用油 CAS No 8001-58-9 EC No 232-287-5</p> <p>(b) Creosote oil; wash oil 杂酚油; 清洗用油 CAS No 61789-28-4 EC No 263-047-8</p> <p>(c) Distillates (coal tar), naphthalene oils; naphthalene oil 干馏油 (煤焦油), 萘油 CAS No 84650-04-4 EC No 283-484-8</p> <p>(d) Creosote oil, acenaphthene fraction; wash</p>	<p>1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for the treatment of wood. Furthermore, wood so treated shall not be placed on the market.</p> <p>2. By way of derogation from paragraph 1:</p> <p>(a) The substances and mixtures may be used for wood treatment in industrial installations or by professionals covered by Community legislation on the protection of workers for in situ retreatment only if they contain:</p> <ul style="list-style-type: none"> (i) benzo[a]pyrene at a concentration of less than 50 mg/kg (0.005 % by weight), and (ii) water extractable phenols at a concentration of less than 3 % by weight. <p>Such substances and mixtures for use in wood treatment in industrial installations or by professionals:</p> <ul style="list-style-type: none"> — may be placed on the market only in packaging of a capacity equal to or greater than 20 litres, — shall not be sold to consumers. <p>Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is visibly, legibly and indelibly marked as follows:</p> <p>'For use in industrial installations or professional treatment only' .</p>

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
<p>oil</p> <p>杂酚油, 萘的馏分; 清洗油</p> <p>CAS No 90640-84-9</p> <p>EC No 283-484-8EC No 292-605-3</p> <p>(e) Distillates (coal tar), upper; heavy anthracene oil</p> <p>干馏油 (煤焦油), 上层馏分; 重萘油</p> <p>CAS No 65996-91-0</p> <p>EC No 266-026-1</p> <p>(f) Anthracene oil</p> <p>萘油</p> <p>CAS No 90640-80-5</p> <p>EC No 292-602-7</p> <p>(g) Tar acids, coal, crude; crude phenols</p> <p>焦油酸, 煤, 原油; 粗苯酚</p> <p>CAS No 65996-85-2</p> <p>EC No 266-019-3</p> <p>(h) Creosote, wood</p> <p>杂酚油, 木材</p> <p>CAS No 8021-39-4</p> <p>EC No 232-419-1</p> <p>(i) Low temperature tar oil, alkaline; extract</p>	<p>(b) Wood treated in industrial installations or by professionals according to subparagraph (a) which is placed on the market for the first time or retreated in situ may be used for professional and industrial use only, for example on railways, in electric power transmission and telecommunications, for fencing, for agricultural purposes (for example stakes for tree support) and in harbours and waterways.</p> <p>(c) The prohibition in paragraph 1 on the placing on the market shall not apply to wood which has been treated with substances listed in entry 31 (a) to (i) before 31 December 2002 and is placed on the second-hand market for re-use.</p> <p>3. Treated wood referred to under paragraph 2(b) and (c) shall not be used:</p> <ul style="list-style-type: none"> — inside buildings, whatever their purpose, — in toys, — in playgrounds, — in parks, gardens, and outdoor recreational and leisure facilities where there is a risk of frequent skin contact, — in the manufacture of garden furniture such as picnic tables, — for the manufacture and use and any re-treatment of: <ul style="list-style-type: none"> — containers intended for growing purposes, — packaging that may come into contact with raw materials, intermediate or finished products destined for human and/or animal consumption, — other materials which may contaminate the articles mentioned above. <p>1. 不允许作为物质或在用于木材加工的混合物使用。而且, 不允许这样加工的木材投放市场。</p> <p>2. 作为第 1 条的豁免:</p>

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
<p>residues (coal), low temperature coal tar alkaline</p> <p>碱性的低温焦油；煤提取物中的碱性低温焦油</p> <p>CAS No 122384-78-5</p> <p>EC No 310-191-5</p>	<p>(a) 关于这些物质和混合物：只有当它们包括的成分满足下列条件，才可以被用于在工业设施中的木材加工，或由共同体关于保护工人的法律所涵盖的专业人士就地再处理：</p> <p>(i) 苯并芘的浓度低于 0.005%(w/w)</p> <p>(ii) 可被水萃取的酚的指令分数低于 3% (w/w) 。</p> <p>在工业设施中或由专业人员进行木材加工所用的这类物质和混合物：</p> <ul style="list-style-type: none"> — 只有当包装容积大于或等于 20 升时才可以投放市场。 — 不能销售给消费者。 <p>在不违反欧盟危险物质与混合物的分类、包装和标签之规定下，其包装上应具有清晰可见且不可磨灭的如下字样： “仅用于工业设施或专业加工”。</p> <p>(b) 关于在工业设施中或由专业人士按照(a)加工的第一次投放市场或就地再处理的木材：仅允许用于专业及工业用途，如铁路运输，电力输送及电信行业，构筑栅栏，农业用途（如支撑树木的木桩）以及港口和航运。</p> <p>(c) 第 1 条对于投放市场的禁令应不适用于在 2002 年 12 月 31 日前用列于 31(a)~(i)中的物质处理的木材和投放到二手市场在利用的木材。</p> <p>3. 然而，2 (b)和 2(c)条提到的经处理的木材不能用于：</p> <ul style="list-style-type: none"> — 建筑物内，不论用于何种用途； — 玩具； — 游乐场； — 公园，花园以及其他与皮肤有频繁接触风险的户外娱乐休闲设施； — 庭院类家具，如野餐桌； — 包括如下内容在内的任何用于制造，使用及再处理的物品： — 种植用容器； — 可能与原料、中间体或预定为人和/或动物消费用的产品接触之包装；

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
	— 其他有可能污染上面提到的成品的材料。
32. Chloroform 氯仿 CAS No 67-66-3 EC No 200-663-8 34. 1,1,2-Trichloroethane 1,1,2- 三氯乙烷 CAS No 79-00-5 EC No 201-166-9 35. 1,1,2,2-Tetrachloroethane 1,1,2,2- 四氯乙烷 CAS No 79-34-5 EC No 201-197-8 36. 1,1,1,2-Tetrachloroethane 1,1,1,2- 四氯乙烷 CAS No 630-20-6 37. Pentachloroethane 五氯乙烷 CAS No 76-01-7 EC No 200-925-1 38. 1,1-Dichloroethene 1,1- 二氯乙烯	<p>Without prejudice to the other parts of this Annex, the following shall apply to entries 32 to 38.</p> <ol style="list-style-type: none"> Shall not be placed on the market, or used, <ul style="list-style-type: none"> as substances, as constituents of other substances, or in mixtures in concentrations equal to or greater than 0,1 % by weight, where the substance or mixture is intended for supply to the general public and/or is intended for diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures containing them in concentrations equal to or greater than 0,1 % by weight is visibly, legibly and indelibly marked as follows: 'For use in industrial installations only' . By way of derogation this provision shall not apply to: <ol style="list-style-type: none"> medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; cosmetic products as defined by Directive 76/768/EEC. <p>在不违背本附件其他部分的情况下，下列规定适用于序号 32~38 中的物质。</p> <ol style="list-style-type: none"> 不得投放市场或使用： <ul style="list-style-type: none"> 作为物质； 作为其他物质的组成成分，或在混合物中浓度大于等于 0.1%； 若该物质或混合物拟供应给一般公众和/或拟如表面清洗或纺织品清洗等扩散应用

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
<p>CAS No 75-35-4</p> <p>EC No 200-864-0</p>	<p>2. 在不与欧盟对有关危险物质和混合物分类、包装和标签的其他规定的实施相抵触的条件下，供应商应在其投放市场前确保含有这些物质的重量浓度高于或等于 0.1% 的此类物质和制备，其包装上具有清晰可见且难擦掉的如下字样： “仅用于工业装置”。</p> <p>作为豁免，本条款不适用于：</p> <p>(a) 指令 2001/82/EC 和指令 2001/83/EC 所定义的医药和兽药；</p> <p>(b) 指令 76/768/EEC 所定义的化妆品。</p>
<p>40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.</p> <p>被归类为可燃气体 1 类或 2 类，可燃液体 1 类或 2 类，可燃固体 1 类或 2 类，与水接触的物质或混合物放出 1 类，2 类或 3 类可燃气体，自燃液体 1 类或自燃固体 1 类的物质，无论其是否出现在该指令的附件六的第三部分中。</p>	<p>1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:</p> <ul style="list-style-type: none"> — metallic glitter intended mainly for decoration, — artificial snow and frost, — ‘whoopee’ cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs. <p>2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: ‘For professional users only’ .</p>

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
	<p>3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC.</p> <p>4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.</p> <p>1. 其自身或其混合物不得用于气雾发生器投放市场，用于公众娱乐及装潢目的，例如：</p> <ul style="list-style-type: none"> — 主要用于装潢的金属闪光片 — 人造雪和人造霜， — 狂欢时用的软垫， — 喷射彩条， — 粪便仿品， — 聚会时用的号角， — 装饰雪片及泡沫， — 人造蜘蛛网， — 臭气弹， <p>2. 在不违反欧盟危险物质与制备的分类，包装与标签的规定下，供应商应在其投放市场前确保上述烟雾发生器的包装必须显示清晰可见且难擦掉的如下字样： “仅限专业人员使用”。</p> <p>3. 作为例外，第 1 和第 2 条不适用于 75/324/EEC 指令第 8 条(1a)规定的气雾发生器。</p> <p>4. 第 1 和第 2 条所提到的成品除非符合规定要求，否则不能投入市场。</p>
41. Hexachloroethane 六氯乙烷	Shall not be placed on the market, or used, as substance or in mixtures, where the substance or mixture is intended for the manufacturing or processing of non-ferrous metals.

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
CAS No 67-72-1 EC No 200-666-4	作为物质或含有该物质的混合物用于制造业或者有色金属的加工过程时不得投放市场或使用。
43. Azocolourants and Azodyes 偶氮染料	<ol style="list-style-type: none"> 1. Azodyes which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines listed in Appendix 8, in detectable concentrations, i.e. above 30 mg/kg (0.003 % by weight) in the articles or in the dyed parts thereof, according to the testing methods listed in Appendix 10, shall not be used, in textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity, such as: <ul style="list-style-type: none"> — clothing, bedding, towels, hairpieces, wigs, hats, nappies and other sanitary items, sleeping bags, — footwear, gloves, wristwatch straps, handbags, purses/wallets, briefcases, chair covers, purses worn round the neck, — textile or leather toys and toys which include textile or leather garments, — yarn and fabrics intended for use by the final consumer. 2. Furthermore, the textile and leather articles referred to in paragraph 1 shall not be placed on the market unless they conform to the requirements set out in that paragraph. 3. Azodyes, which are contained in Appendix 9, 'List of azodyes' shall not be placed on the market, or used, as substances, or in mixtures in concentrations greater than 0.1 % by weight, where the substance or the mixture is intended for colouring textile and leather articles. <ol style="list-style-type: none"> 1. 偶氮染料通过由一个或多个偶氮基团还原裂解，可能释放出一个或几个本法规附录 8 列出的芳香胺。根据附录 10 列出的检测方法，其在成品或者是已染色部分中达到可检出限（即：大于 30mg/kg），则不允许用于可能会与人类皮肤或口腔有直接或间接接触的纺织品及皮革制品，例如： <ul style="list-style-type: none"> — 服装，床上用品，毛巾，假毛发，头套，帽子，尿布以及其他卫生用品，睡袋。 — 鞋靴，手套，手表表带，手提包，钱夹，公文包，椅套，可挂在颈部的挂包；

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	<ul style="list-style-type: none"> — 布或皮革制玩具及已布或皮革作为服装的玩具； — 面向最终消费者的纱线和其他纤维制品。 2. 此外，第 1 条中所提出的纺织品和皮革制品，除非它们满足其中所提的要求，否则不允许投放市场。 3. 包括在本法规附录 9 “偶氮染料列表”中的偶氮染料，不允许投放市场或以质量分数超过 0.1%的物质或混合物组分的形式用于纺织品和皮革的染色。
45. Diphenylether, octabromo derivative $C_{12}H_2Br_8O$ 联苯醚的八溴代衍生物	1. Shall not be placed on the market, or used: <ul style="list-style-type: none"> — as a substance, — as a constituent of other substances, or in mixtures, in concentrations greater than 0.1 % by weight. 2. Articles shall not be placed on the market if they, or flame-retardant parts thereof, contain this substance in concentrations greater than 0.1 % by weight. 3. By way of derogation, paragraph 2 shall not apply: <ul style="list-style-type: none"> — to articles that were in use in the Community before 15 August 2004, — to electrical and electronic equipment within the scope of Directive 2002/95/EC. 1. 不得投放市场或使用 <ul style="list-style-type: none"> — 作为物质； — 作为其他物质的组成成分，或在混合物中，浓度大于 0.1% 2. 如果该物质在制品或阻燃剂成分中质量分数高于 0.1%，则该制品就不能投放市场。 3. 作为例外，第 2 条不适用于： <ul style="list-style-type: none"> — 在 2004 年 8 月 15 日前在某一成员国中使用的； — 2002/95/EC 指令定义的电子电气产品。
46. (a) Nonylphenol	Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than

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壬基酚 $C_6H_4(OH)C_9H_{19}$ (b) Nonylphenol ethoxylates 壬基酚聚氧乙烯醚 $(C_2H_4O)_n C_{15}H_{24}O$ $C_6H_4(OH)C_9H_{19}$	<p>0.1 % by weight for the following purposes:</p> <ol style="list-style-type: none"> (1) industrial and institutional cleaning except: <ul style="list-style-type: none"> — controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, — cleaning systems with special treatment where the washing liquid is recycled or incinerated. (2) domestic cleaning; (3) textiles and leather processing except: <ul style="list-style-type: none"> — processing with no release into waste water, — systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin); (4) emulsifier in agricultural teat dips; (5) metal working except: <ul style="list-style-type: none"> uses in controlled closed systems where the washing liquid is recycled or incinerated; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products except: <ul style="list-style-type: none"> spermicides; (9) co-formulants in pesticides and biocides. However national authorisations for pesticides or biocidal products containing nonylphenol ethoxylates as co-formulant, granted before 17 July 2003, shall not be affected by this restriction until their date of expiry. <p>不允许该物质或质量分数高于 0.1% 的物质或混合物组分的形式投放市场或使用，用于以下目的：</p> <ol style="list-style-type: none"> (1) 工业和公共机构清洁，以下情况除外：

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	<ul style="list-style-type: none"> — 受控密闭干洗系统, 其洗涤液可再生或焚化; — 专业处理洗涤系统, 其洗涤液可再生或焚化; (2) 家用清洗 (3) 纺织品和皮革加工, 以下情况除外: <ul style="list-style-type: none"> — 不排入废水的加工; — 专业加工系统, 其加工用水在有机废水处理前, 静预处理完全出去有机成分 (羊毛脱脂) (4) 乳化剂, 农用乳头浸沾消毒液; (5) 金属制品, 以下情况除外: <ul style="list-style-type: none"> — 受控闭合系统, 其洗涤液可再生或焚化; (6) 纸浆和纸张的制造; (7) 化妆品; (8) 其他个人护理用品, 以下除外: 杀精子剂 (9) 杀虫剂和生物杀灭剂中的复合赋形剂, 但是对于国家批准的壬基酚聚氧乙烯醚的杀虫剂和生物杀灭剂中的复合赋形剂, 在 2003 年 7 月 17 日前被批准使用, 直到终止日期不受到本限制的影响。
46a. Nonylphenol ethoxylates (NPE) 壬基酚聚氧乙烯醚 $(C_2H_4O)_n C_{15}H_{24}O$	<ol style="list-style-type: none"> 1. Shall not be placed on the market after 3 February 2021 in 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 % by weight of that textile article or of each part of the textile article. 2. Paragraph 1 shall not apply to the placing on the market of second-hand textile articles or of new textile articles produced, without the use of NPE, exclusively from recycled textiles. 3. For the purposes of paragraphs 1 and 2, "textile article" means any unfinished, semi-finished or finished product which is composed of at least 80 % textile fibres by weight, or any other product that contains a part which is

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	<p>composed of at least 80 % textile fibres by weight, including products such as clothing, accessories, interior textiles, fibres, yarn, fabrics and knitted panels.</p> <ol style="list-style-type: none"> 1. 从 2021 年 2 月 3 日起, 在合理可预计的情况下, 其正常使用周期中能被水洗的纺织品, 若含壬基酚聚氧乙烯醚 (NPE) 含量超过 0.01%, 则被禁止投放市场。 2. 第 1 段不适用于二手纺织品及完全由回收纺织品 (未使用 NPE 的) 制成的新纺织品。 3. 第 1, 2 段中 “纺织品” 指含有纺织纤维的至少为 80% (以重量计) 的原材料、半成品或成品; 或者任何其它产品其某一部件含有纺织纤维以重量计至少 80%。
47. Chromium VI compounds 六价铬化合物	<ol style="list-style-type: none"> 1. Cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0.0002 %) soluble chromium VI of the total dry weight of the cement. 2. If reducing agents are used, then without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of cement or cement-containing mixtures is visibly, legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1. 3. By way of derogation, paragraphs 1 and 2 shall not apply to the placing on the market for, and use in, controlled closed and totally automated processes in which cement and cement-containing mixtures are handled solely by machines and in which there is no possibility of contact with the skin. 4. The standard adopted by the European Committee for Standardization (CEN) for testing the water-soluble chromium (VI) content of cement and cement-containing mixtures shall be used as the test method for demonstrating conformity with paragraph 1.

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	5. Leather articles coming into contact with the skin shall not be placed on the market where they contain chromium VI in concentrations equal to or greater than 3 mg/kg (0,0003 % by weight) of the total dry weight of the leather. 6. Articles containing leather parts coming into contact with the skin shall not be placed on the market where any of those leather parts contains chromium VI in concentrations equal to or greater than 3 mg/kg (0,0003 % by weight) of the total dry weight of that leather part. 7. Paragraphs 5 and 6 shall not apply to the placing on the market of second-hand articles which were in end-use in the Union before 1 May 2015. 1. 水泥和含有水泥的混合物脱水时，以干重（质量分数）计，含有大于 2mg/kg(0.0002%)的可溶性六价铬时，不得使用或投放市场。 2. 如果使用还原剂，在不与共同体对有关危险物质和混合物分类，包装和标记的其他规定的实施相抵触的条件下，水泥和含有水泥的混合物包装必须显示清晰可见且难擦掉的标注以下信息：包装日期，保持还原剂活性以及保持可溶性六价铬含量低于第 1 条所述限量的适宜条件和期限。 3. 以部分废除的方式，第 1 条和第 2 条不适用于受控闭合及全自动工艺流程中，完全由机器处理，其流程中无与皮肤接触可能的水泥和含有水泥的混合物。 4. 须以欧洲标准化委员会（CEN）采用的方法来判定水泥的可溶性六价铬含量是否符合第一段的要求。 5. 接触皮肤的皮革产品，六价铬浓度（以皮革干重计）≥ 3mg/kg (0.0003%) 时，则该产品不得投放市场。 6. 带有皮革的产品，其皮革部分六价铬浓度（以皮革干重计）≥ 3mg/kg (0.0003%) 时，则该产品不得投放市场。 7. 第 5 条和第 6 条不适用于 2015 年 5 月 1 日前已到达最终用户手中的二手产品。
48. Toluene 甲苯 CAS No 108-88-3	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0.1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.

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EC No 203-625-9	不允许该物质或以质量分数大于或等于 0.1%的胶黏剂和喷涂油漆投放市场或使用，直接销售给一般公众。
49. Trichlorobenzene 三氯苯 CAS No 120-82-1 EC No 204-428-0	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0.1 % by weight for any use except: <ul style="list-style-type: none"> — as an intermediate of synthesis, or, — as a process solvent in closed chemical applications for chlorination reactions, or, — in the manufacture of 1,3,5-triamino-2,4,6- trinitrobenzene (TATB). 不允许该物质或以质量分数大于或等于 0.1%的混合物投放市场或使用，以下情况除外： <ul style="list-style-type: none"> — 合成时的中间体； — 在密闭化学用作氯化反应处理溶剂； — 用于生产 1,3,5- 三硝基-2,4,6- 三氨基苯 (TATB) 。
50. Polycyclic-aromatic hydrocarbons (PAH) 多环芳烃 (PAH) (i) Benzo[a]pyrene (BaP) 苯并(a)芘(BaP) CAS No 50-32-8 (ii) Benzo[e]pyrene (BeP) 苯并(e)芘 (BeP) CAS No 192-97-2 (iii) Benzo[a]anthracene (BaA) 苯并(a)蒽 (BaA)	1. From 1 January 2010, extender oils shall not be placed on the market, or used for the production of tyres or parts of tyres if they contain: <ul style="list-style-type: none"> — more than 1 mg/kg (0.0001 % by weight) BaP, or, — more than 10 mg/kg (0.001 % by weight) of the sum of all listed PAHs. The standard EN 16143:2013 (Petroleum products — Determination of content of Benzo(a)pyrene (BaP) and selected polycyclic aromatic hydrocarbons (PAH) in extender oils — Procedure using double LC cleaning and GC/MS analysis) shall be used as the test method for demonstrating conformity with the limits referred to in the first subparagraph. Until 23 September 2016, the limits referred to in the first subparagraph may be regarded as kept, if the polycyclic aromatics (PCA) extract is less than 3 % by weight as measured by the Institute of Petroleum standard IP 346:1998

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<p>CAS No 56-55-3</p> <p>(iv) Chrysen (CHR)</p> <p>屈 (CHR)</p> <p>CAS No 218-01-9</p> <p>(v) Benzo[b]fluoranthene (BbFA)</p> <p>苯并(b) 荧蒽 (BbFA)</p> <p>CAS No 205-99-2</p> <p>(vi) Benzo[j]fluoranthene (BjFA)</p> <p>苯并(j) 荧蒽 (BjFA)</p> <p>CAS No 205-82-3</p> <p>(vii) Benzo[k]fluoranthene (BkFA)</p> <p>苯并(k) 荧蒽 (BkFA)</p> <p>CAS No 207-08-9</p> <p>(viii) Dibenzo[a,h]anthracene (DBAhA)</p> <p>二苯并 (a,h) 蒽 (DBAhA)</p> <p>CAS No 53-70-3</p>	<p>(Determination of PCA in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method), provided that compliance with the limits of BaP and of the listed PAHs, as well as the correlation of the measured values with the PCA extract, is measured by the manufacturer or importer every six months or after each major operational change, whichever is earlier.</p> <p>2. Furthermore, tyres and treads for retreading manufactured after 1 January 2010 shall not be placed on the market if they contain extender oils exceeding the limits indicated in paragraph 1.</p> <p>These limits shall be regarded as kept, if the vulcanised rubber compounds do not exceed the limit of 0.35 % Bay protons as measured and calculated by ISO 21461 (Rubber vulcanised — Determination of aromaticity of oil in vulcanised rubber compounds).</p> <p>3. By way of derogation, paragraph 2 shall not apply to retreaded tyres if their tread does not contain extender oils exceeding the limits referred to in paragraph 1.</p> <p>4. For the purpose of this entry 'tyres' shall mean tyres for vehicles covered by:</p> <ul style="list-style-type: none"> — Directive 2007/46/EC of the European Parliament and of the Council of 5 September 2007 establishing a framework for the approval of motor vehicles and their trailers, — Directive 2003/37/EC of the European Parliament and of the Council of 26 May 2003 on type-approval of agricultural or forestry tractors, their trailers and interchangeable towed machinery, together with their systems, components and separate technical units , and — Directive 2002/24/EC of the European Parliament and of the Council of 18 March 2002 relating to the type-approval of two or three-wheel motor vehicles and repealing Council Directive 92/61/EEC. <p>5. Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or</p>

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	<p>the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs.</p> <p>Such articles include amongst others:</p> <ul style="list-style-type: none"> — sport equipment such as bicycles, golf clubs, racquets — household utensils, trolleys, walking frames — tools for domestic use — clothing, footwear, gloves and sportswear — watch-straps, wrist-bands, masks, head-bands <p>6. Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0.5 mg/kg (0.00005 % by weight of this component) of any of the listed PAHs.</p> <p>7. By way of derogation from paragraphs 5 and 6, these paragraphs shall not apply to articles placed on the market for the first time before 27 December 2015.</p> <p>8. By 27 December 2017, the Commission shall review the limit values in paragraphs 5 and 6 in the light of new scientific information, including migration of PAHs from the articles referred to therein, and information on alternative raw materials and, if appropriate, modify these paragraphs accordingly.</p> <p>9. Granules or mulches shall not be placed on the market for use as infill material in synthetic turf pitches or in loose form on playgrounds or in sport applications if they contain more than 20 mg/kg (0,002 % by weight) of the sum of all listed PAHs.</p> <p>10. Granules or mulches shall not be used as infill material in synthetic turf pitches or in loose form on playgrounds or in sport applications if they contain more than 20 mg/kg (0,002 % by weight) of the sum of all listed PAHs.</p>

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	<p>11. Granules or mulches placed on the market for use as infill material in synthetic turf pitches or in loose form on playgrounds or in sport applications shall be marked with a unique identification number of the batch.</p> <p>12. Paragraphs 9 to 11 shall apply from 10 August 2022.</p> <p>13. Granules or mulches that are in use in the Union on 9 August 2022 as infill material in synthetic turf pitches or in loose form on playgrounds or in sport applications may remain in place and continue to be used there for the same purpose.</p> <p>14. For the purposes of paragraphs 9 to 13:</p> <p>(a) “granules” are mixtures that appear as solid particles in the size range from 1 to 4 mm, which are made from rubber or other vulcanised or polymeric material of recycled or virgin origin, or obtained from a natural source;</p> <p>(b) “mulches” are mixtures that appear as flake-shaped solid particles in the size range from 4 to 130 mm length and 10 to 15 mm width, which are made from rubber or other vulcanised or polymeric material of recycled or virgin origin, or obtained from a natural source;</p> <p>(c) “infill material in synthetic turf pitches” consists of granules used in synthetic turf pitches to improve the sport technical performance characteristics of the turf system;</p> <p>(d) “use in loose form on playgrounds or in sport applications” is any use of granules or mulches in loose form on playgrounds or for sport purposes other than as infill material in synthetic turf pitches.</p> <p>1. 从2010年1月1日起, 如果填充油含有以下成分, 不允许投放市场和在生产轮胎或轮胎零件时使用:</p> <ul style="list-style-type: none"> — 超过 1mg/kg BaP; 或 — 以 PAHs 总量计, 超过 10mg/kg 。 <p>EN 16143:2013(石油产品-填充油中苯并芘(BaP)和选定的多环芳烃(PAH)的含量测定.使用双液相(LC)清洗和气相色谱-质谱</p>

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	<p>(GC/MS)分析规程)应作为判断是否符合首段中提到的要求的测试方法。</p> <p>直到 2016 年 9 月 23 日, 首段中提到的限制将予承认, 假如 Polycyclic aromatics (PCA) 萃取物 (依石油协会标准 (IP346 : 2004) 量测) 小于 3%, 且产制者或进口商在每 6 个月或主要操作改变时 (适何者较早), 均会对 BaP 及所有表列 PAHs 的限制值之符合性, 及相关 PCA 萃取物的测量值进行控制。再者, 2010 年 1 月 1 日以后翻新的轮胎和胎面如果填充油含量超过第 1 条规定的限度, 则不允许投放市场。</p> <ol style="list-style-type: none"> 2. 再者, 2010 年 1 月 1 日以后生产的供翻新用的轮胎和胎面, 如果填充油含量超过第 1 条规定的限度, 则不允许投放市场。根据 ISO21461 (硫化橡胶——硫化橡胶中芳香烃油成分鉴定标准), 如果硫化橡胶混合物中 Bay 质子百分比低于 0.35%, 上述限量不再适用。 3. 如果翻新的轮胎中填充油的含量没有超过第 1 条中规定的限量, 则第 2 条规定不再适用。 4. 这里的轮胎是指以下车辆的轮胎: <ul style="list-style-type: none"> — 欧盟议会和欧洲理事会 2007 年 9 月 5 日颁布的 2007/46/EC 指令框架所认可的机动车辆及其的拖车。 — 欧盟议会和欧洲理事会 2003 年 5 月 26 日颁布的 2003/37/EC 指令中认可的用于农业和林业的拖拉机, 及他们的拖车, 可交换的拖车系统及组成部件, 以及可分离的技术单元, 和 — 欧盟议会和欧洲理事会 2002 年 3 月 18 日颁布的 2002/24/EC 指令中认可的两轮和三轮车辆, 废除欧盟理事会 92/61/EEC 指令。 5. 物品中能直接长期或短期重复接触皮肤或口腔的橡胶或塑料部件, 在正常或合理的使用条件下, 列表中任一 PAHs 的含量超过 1mg/kg(重量计, 占部件的 0,0001 %), 此物品将不得上市。包括并不仅限于以下产品: <ul style="list-style-type: none"> — 运动器材如自行车、高尔夫球杆、球拍 -家用器具、手推车、步行支架 -家用工具 — 服装、鞋类、手套、运动服装 -表带、腕带、面具、头盔 6. 玩具, 包括儿童运动器材和儿童用品, 如果其中的橡胶或塑料部件能直接长期或短期重复接触皮肤或口腔, 在正常或合理的使用条件下, 列表中任一 PAHs 的含量超过 0.5mg/kg(重量计, 占部件的 0.00005 %), 将不得上市。 7. 第 5 条和第 6 条的内容, 不适用于在 2015 年 12 月 27 日前首次投放市场的物品。

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	8. 到 2017 年 12 月 27 日, 委员会依据最新的科学信息, 审核第 5 条和第 6 条中的限值, 包括 PAHs 的迁移, 可替代原材料的信息, 适当情况下, 会修订以上条款。 9. 如用作人造草坪填充材料或用于以松散形式铺设操场或运动场地, 颗粒或覆盖物中列表所列 PAHs 总浓度超过 20mg/kg (重量计, 占颗粒或覆盖物的 0.02%) 时不得投放市场; 10. 如用作人造草坪填充材料或用于以松散形式铺设操场或运动场地, 颗粒或覆盖物中列表所列 PAHs 总浓度超过 20mg/kg (重量计, 占颗粒或覆盖物的 0.02%) 时不得使用; 11. 投放市场或使用的颗粒或覆盖物, 如用作人造草坪填充材料或用于以松散形式铺设操场或运动场地, 应标记唯一批号; 12. 第 9-11 段自 2022 年 8 月 10 日起实施; 13. 如用作人造草坪填充材料或用于以松散形式铺设操场或运动场地的颗粒或覆盖物于 2022 年 8 月 9 日已经在欧盟使用, 可在原处保留并就同一用途继续使用; 14. 针对第 9-13 段: (a) “颗粒”是指由回收的、原生的或天然的橡胶、其他硫化或聚合材料制成的尺寸为 1-4mm, 以固体颗粒形式存在的混合物; (b) “覆盖物”是指由回收的、原生的或天然的橡胶、其他硫化或聚合材料制成的长 4-130mm、宽 10-15mm 的, 以片状固体覆盖物形式存在的混合物; (c) “人造草坪填充材料”是指人造草坪上用于提升人造草坪系统运动性能的颗粒; (d) “用于以松散形式铺设操场或运动场地”是指松散形式的颗粒或覆盖物用于以玩乐或运动为目的的除人造草坪填充材料以外的其他用途。
51. Bis (2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二 (2-乙基己基) 酯(DEHP) CAS No 117-81-7 EC No 204-211-0	1. Shall not be used as substances or in mixtures, individually or in any combination of the phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material, in toys and childcare articles. 2. Shall not be placed on the market in toys or childcare articles, individually or in any combination of the first three

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Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯(DBP) CAS No 84-74-2 EC No 201-557-4 Benzyl butyl phthalate (BBP) 邻苯二甲酸丁苄酯(BBP) CAS No 85-68-7 EC No 201-622-7 Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯 (DIBP) CAS No 84-69-5 EC No 201-553-2	<p>phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material.</p> <p>In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination with the first three phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material.</p> <p>3. Shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of the phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material in the article.</p> <p>4. Paragraph 3 shall not apply to:</p> <ul style="list-style-type: none"> (a) articles exclusively for industrial or agricultural use, or for use exclusively in the open air, provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin; (b) aircraft, placed on the market before 7 January 2024, or articles, whenever placed on the market, for use exclusively in the maintenance or repair of those aircraft, where those articles are essential for the safety and airworthiness of the aircraft; (c) motor vehicles within the scope of Directive 2007/46/EC, placed on the market before 7 January 2024, or articles, whenever placed on the market, for use exclusively in the maintenance or repair of those vehicles, where the vehicles cannot function as intended without those articles; (d) articles placed on the market before 7 July 2020; (e) measuring devices for laboratory use, or parts thereof; (f) materials and articles intended to come into contact with food within the scope of Regulation (EC) No 1935/2004 or Commission Regulation (EU) No 10/20111;

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<p>(g) medical devices within the scope of Directives 90/385/EEC, 93/42/EEC or 98/79/EC, or parts thereof;</p> <p>(h) electrical and electronic equipment within the scope of Directive 2011/65/EU;</p> <p>(i) the immediate packaging of medicinal products within the scope of Regulation (EC) No 726/2004, Directive 2001/82/EC or Directive 2001/83/EC;</p> <p>(j) toys and childcare articles covered by paragraphs 1 or 2.</p> <p>5. For the purposes of paragraphs 1, 2, 3 and 4(a),</p> <p>(a) 'plasticised material' means any of the following homogeneous materials:</p> <ul style="list-style-type: none"> — polyvinyl chloride (PVC), polyvinylidene chloride (PVDC), polyvinyl acetate (PVA), polyurethanes, — any other polymer (including, inter alia, polymer foams and rubber material) except silicone rubber and natural latex coatings, — surface coatings, non-slip coatings, finishes, decals, printed designs, — adhesives, sealants, paints and inks. <p>(b) 'prolonged contact with human skin' means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.</p> <p>(c) 'childcare article' shall mean any product intended to facilitate sleep, relaxation, hygiene, the feeding of children or sucking on the part of children.</p> <p>6. For the purposes of paragraph 4(b), 'aircraft' means one of the following:</p> <p>(a) a civil aircraft produced in accordance with a type certificate issued under Regulation (EC) No 216/2008 or with a design approval issued under the national regulations of a contracting State of the International Civil Aviation Organisation (ICAO), or for which a certificate of airworthiness has been issued by an ICAO contracting State under Annex 8 to the Convention on International Civil Aviation, signed on December 7, 1944, in Chicago;</p>

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	<p>(b) a military aircraft.</p> <ol style="list-style-type: none"> 1. 不得作为物质或在混合物中，单独使用或与本条目第 1 栏中的其他邻苯以任意组合使用，其浓度等于或大于塑化材料重量的 0.1%，用于玩具和儿童护理用品。 2. 玩具或儿童保育产品，含有本条目第 1 栏中前三种邻苯单独或任意组合，浓度等于或大于塑化材料之 0.1%（重量百分比）者不得投放市场。 2020 年 7 月 7 日之后，玩具或儿童保育产品中的邻苯 DIBP，单独使用或与本条目第 1 栏中前三种邻苯以任意组合使用，浓度等于或大于塑化材料之 0.1%（重量百分比）者不得投放市场。 3. 2020 年 7 月 7 日之后，本条目第 1 栏所列邻苯，单独使用或任意组合使用，浓度等于或大于塑化材料之 0.1%（重量百分比）的物品不得投放市场。 4. 第 3 段不适用于： <ol style="list-style-type: none"> (a) 专门用于工业或农业用途，或专门用于露天的物品，考虑到没有塑化材料与人体黏膜接触或与人体皮肤发生长期接触； (b) 2024 年 1 月 7 日前投放市场的飞机，或者无论何时投放市场专门用于维护或修理这些飞机的物品，这些物品对飞机的安全和适航性至关重要； (c) 2024 年 1 月 7 日前投放市场的，指令 2007/46/EC 范围内的机动车，或者无论何时投放市场专门用于维护或修理这些机动车的物品，车辆无这些物品无法按照预期运行； (d) 2020 年 7 月 7 日前投放市场的物品； (e) 实验室用测量设备或其部件； (f) 法规(EC) No 1935/2004 或法规(EU) No 10/2011 范围内、预期与食品发生接触的材料和物品； (g) 指令 90/385/EEC, 93/42/EEC 或 98/79/EC 范围内的医疗器械或其部件； (h) 指令 2011/65/EU 范围内的电子电气设备； (i) 法规(EC) No 726/2004, 指令 2001/82/EC 或指令 2001/83/EC 范围内直接接触药品的包装；

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	<p>(j) 已被段 1、2 覆盖的玩具和儿童保育产品。</p> <p>5. 对于段 1, 2, 3, 和 4 (a),</p> <p>(a) “塑化材料”指以下任一种均质材料:</p> <ul style="list-style-type: none"> — 聚氯乙烯 (PVC), 聚偏氯乙烯 (PVDC), 聚乙酸乙烯酯 (PVA), 聚氨酯; — 除硅橡胶和天然乳胶涂料外的其他任意聚合物 (包括聚合物泡沫和橡胶材料); — 表面涂层, 防滑涂层, 表面材料, 贴花, 印花设计; — 粘合剂, 密封胶, 颜料和油墨。 <p>(b) “与皮肤长期接触”指每天 10 分钟以上连续接触或超过 30 分钟的间接接触。</p> <p>(c) “儿童保育产品”指任何为了帮助儿童睡眠、放松、卫生、喂食和授乳的产品。</p> <p>6. 对于段 4 (b), “飞机”指下列中的一种:</p> <p>(a) 根据法规 (EC) 216/2008 号条例颁发的型号证书, 或根据国际民用航空组织 (ICAO) 缔约国的国家规定颁发的外观设计许可证, 或 国际民航组织缔约国根据 1944 年 12 月 7 日在芝加哥签署的“国际民用航空公约”附件 8 签发了适航性的民用飞机;</p> <p>(b) 军用飞机。</p>
<p>52. The following phthalates (or other CAS and EC numbers covering the substance):</p> <p>下列邻苯二甲酸盐 (或其他含该类物质的 CAS 和 EC 号物质)</p> <p>(a) Di- 'isononyl' phthalate (DINP)</p> <p>邻苯二甲酸二异壬酯(DINP)</p> <p>CAS No 28553-12-0 and 68515-48-0</p> <p>EC No 249-079-5 and 271-090-9</p>	<p>1. Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.</p> <p>2. Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.</p> <p>4. For the purpose of this entry 'childcare article' shall mean any product intended to facilitate sleep, relaxation, hygiene, the feeding of children or sucking on the part of children.</p> <p>1. 不可作为能被放入口中的玩具或儿童保育产品的物质或混合物的成分, 假如其浓度大于塑化物质的 0.1% (重量百分比)。</p>

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(b) Di- 'isodecyl' phthalate (DIDP) 邻苯二甲酸二异癸酯 (DIDP) CAS No 26761-40-0 and 68515-49-1 EC No 247-977-1 and 271-091-4 (c) Di-n-octyl phthalate (DNOP) 邻苯二甲酸二正辛酯 (DNOP) CAS No 117-84-0 EC No 204-214-7	2. 以上玩具或儿童保育产品所含邻苯二甲酸盐 (phthalate) 浓度高于塑化物质之 0.1% (重量百分比) 者不得投放市场。 4. 在此目的的基础上, “儿童保育产品” 指任何为了帮助儿童睡眠、娱乐、卫生、喂食和授乳的产品
54. 2-(2-methoxyethoxy)ethanol (DEGME) 二乙二醇单甲醚 (DEGME) CAS No 111-77-3 EC No 203-906-6	Shall not be placed on the market after 27 June 2010, for supply to the general public, as a constituent of paints, paint strippers, cleaning agents, self-shining emulsions or floor sealants in concentrations equal to or greater than 0.1 % by weight. 2010年6月27日以后, 该物质作为染料, 除漆剂, 清洁剂及光亮漆, 地板密封剂中的成分, 浓度大于等于0.1%时, 不得投放市场。
55. 2-(2-butoxyethoxy)ethanol (DEGBE) 二乙二醇丁醚(DEGBE) CAS No 112-34-5 EC No 203-961-6	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray

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	<p>paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: 'Do not use in paint spraying equipment' .</p> <ol style="list-style-type: none"> 1. 2010年6月27日后, 喷漆, 喷雾式清洁剂中该物质含量超过3%, 不得投放市场。 2. 2010年12月27日后, 含有DEGBE不符合第1条要求的喷漆, 喷雾式清洁剂不得投放市场出售给一般公众。 3. 2010年12月27日后, 在不与欧盟成员国对于物质和混合物分类、包装、标签的其他规定的实施相抵触的条件下, 对于含有DEGBE并且浓度大于或等于3%的油漆包含喷涂油漆, 供应商应在投放市场前确保其包装标记有显示清晰可见且不可磨灭的如下字样: “不得用于油漆喷涂设备中”。
56. Methylenediphenyldiisocyanate (MDI) 二甲苯烷二异氰酸酯 (MDI) CAS No 26447-40-5 EC No 247-714-0	<ol style="list-style-type: none"> 1. Shall not be placed on the market after 27 December 2010, as a constituent of mixtures in concentrations equal to or greater than 0,1 % by weight of MDI for supply to the general public, unless suppliers shall ensure before the placing on the market that the packaging: <ol style="list-style-type: none"> (a) contains protective gloves which comply with the requirements of Council Directive 89/686/EEC; (b) is marked visibly, legibly and indelibly as follows, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures: <ul style="list-style-type: none"> — Persons already sensitised to diisocyanates may develop allergic reactions when using this product. — Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. — This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. 2. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.

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	<ol style="list-style-type: none"> 1. 作为销售给公众的混合物的组成成分, 如果 MDI 浓度大于或等于 0.1%, 2010 年 12 月 27 日后不得投放市场。除非供应商确在保投放市场前, 其包装: <ol style="list-style-type: none"> (a) 包装符合欧盟理事会 89/686/EEC 指令规定的保护性手套。 (b) 在不与欧盟关于物品和混合物分类, 包装和标签法规违背的情况下, 必须有清晰可见且难以擦掉的标记: <ol style="list-style-type: none"> (a) 对二甲苯烷二异氰酸酯(MDI) 过敏的人使用该产品时可能引起过敏反应。 (b) 患有哮喘, 湿疹, 或有皮肤问题的人应避免接触, 包括皮肤接触该产品。 (c) 该产品不能在空气流通差的条件下使用, 除非使用有适当气体过滤器 (例如 EN 14387 标准中规定的 A1 类) 的防毒面具。 2. 作为例外, 第 1 条(a)不适用于热熔胶。
57. Cyclohexane 环己烷 CAS No 110-82-7 EC No 203-806-2	<ol style="list-style-type: none"> 1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0.1 % by weight in package sizes greater than 350 g. 2. Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that neoprene-based contact adhesives containing cyclohexane in concentrations equal to or greater than 0,1 % by weight that are placed on the market for supply to the general public after 27 December 2010 are visibly, legibly and indelibly marked as follows: <ul style="list-style-type: none"> — This product is not to be used under conditions of poor ventilation. — This product is not to be used for carpet laying.

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	<ol style="list-style-type: none"> 1. 作为包装尺寸大于 350g 的氯丁橡胶基胶黏剂的组成成分，其浓度不得大于等于 0.1%，否则在 2010 年 6 月 27 日后不得首次投放市场销售给公众。 2. 含有环己烷的氯丁橡胶基胶黏剂，加入不符合第 1 条要求，在 2010 年 12 月 27 日之后不得投放市场供给公众。 3. 2010 年 12 月 27 日之后，在不与欧共体对有关物质和混合物分类、包装和标签的其他规定的实施相抵触的条件下，对于投放市场上销售给公众的含有环己烷并且浓度大于或等于 0.1% 的氯丁胶，供应商应该确保在投放市场之前，其包装必须显示清晰可见且难擦掉的如下字样： <ul style="list-style-type: none"> — “在通风条件差的时候，本品不得使用。 — 本品不得用于地毯铺设。”
58. Ammonium nitrate (AN) 硝酸铵 (AN) CAS No 6484-52-2 EC No 229-347-8	<ol style="list-style-type: none"> 1. Shall not be placed on the market for the first time after 27 June 2010 as a substance, or in mixtures that contain more than 28 % by weight of nitrogen in relation to ammonium nitrate, for use as a solid fertiliser, straight or compound, unless the fertiliser complies with the technical provisions for ammonium nitrate fertilisers of high nitrogen content set out in Annex III to Regulation (EC) No 2003/2003 of the European Parliament and of the Council. 1. 2010 年 6 月 27 日起该物质，或固体肥料中含氮量大于 28%，禁止投放市场。除非该化肥符合欧盟议会和理事会法规(EC) No 2003/2003 附件三规定的高含氮量硝酸铵化肥的技术条件。
59. Dichloromethane 二氯甲烷 CAS No 75-09-2 EC No: 200-838-9	<ol style="list-style-type: none"> 4. Paint strippers containing dichloromethane in a concentration equal to or greater than 0.1 % by weight shall not be: <ol style="list-style-type: none"> (a) placed on the market for the first time for supply to the general public or to professionals after 6 December 2010; (b) placed on the market for supply to the general public or to professionals after 6 December 2011;

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	<p>(c) used by professionals after 6 June 2012.</p> <p>For the purposes of this entry:</p> <p>(i) 'professional' means any natural or legal person, including workers and self-employed workers undertaking paint stripping in the course of their professional activity outside an industrial installation;</p> <p>(ii) 'industrial installation' means a facility used for paint stripping activities.</p> <p>5. By way of derogation from paragraph 1, Member States may allow on their territories and for certain activities the use, by specifically trained professionals, of paint strippers containing dichloromethane and may allow the placing on the market of such paint strippers for supply to those professionals.</p> <p>Member States making use of this derogation shall define appropriate provisions for the protection of the health and safety of those professionals using paint strippers containing dichloromethane and shall inform the Commission thereof.</p> <p>Those provisions shall include a requirement that a professional shall hold a certificate that is accepted by the Member State in which that professional operates, or provide other documentary evidence to that effect, or be otherwise approved by that Member State, so as to demonstrate proper training and competence to safely use paint strippers containing dichloromethane.</p> <p>The Commission shall prepare a list of the Member States which have made use of the derogation in this paragraph and make it publicly available over the Internet.</p> <p>6. A professional benefiting from the derogation referred to in paragraph 2 shall operate only in Member States which have made use of that derogation. The training referred to in paragraph 2 shall cover as a minimum:</p> <p>(a) awareness, evaluation and management of risks to health, including information on existing substitutes or processes, which under their conditions of use are less hazardous to the health and safety of workers;</p> <p>(b) use of adequate ventilation;</p>

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	<p>(c) use of appropriate personal protective equipment that complies with Directive 89/686/EEC. Employers and self-employed workers shall preferably replace dichloromethane with a chemical agent or process which, under its conditions of use, presents no risk, or a lower risk, to the health and safety of workers. Professional shall apply all relevant safety measures in practice, including the use of personal protective equipment.</p> <p>7. Without prejudice to other Community legislation on workers protection, paint strippers containing dichloromethane in concentrations equal to or greater than 0,1 % by weight may be used in industrial installations only if the following minimum conditions are met:</p> <p>(a) effective ventilation in all processing areas, in particular for the wet processing and the drying of stripped articles: local exhaust ventilation at strip tanks supplemented by forced ventilation in those areas, so as to minimise exposure and to ensure compliance, where technically feasible, with relevant occupational exposure limits;</p> <p>(b) measures to minimise evaporation from strip tanks comprising: lids for covering strip tanks except during loading and unloading; suitable loading and unloading arrangements for strip tanks; and wash tanks with water or brine to remove excess solvent after unloading;</p> <p>(c) measures for the safe handling of dichloromethane in strip tanks comprising: pumps and pipework for transferring paint stripper to and from strip tanks; and suitable arrangements for safe cleaning of tanks and removal of sludge;</p> <p>(d) personal protective equipment that complies with Directive 89/686/EEC comprising: suitable protective gloves, safety goggles and protective clothing; and appropriate respiratory protective equipment where compliance with relevant occupational exposure limits cannot be otherwise achieved;</p> <p>(e) adequate information, instruction and training for operators in the use of such equipment.</p>

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	<p>8. Without prejudice to other Community provisions concerning the classification, labelling and packaging of substances and mixtures, by 6 December 2011 paint strippers containing dichloromethane in a concentration equal to or greater than 0,1 % by weight shall be visibly, legibly and indelibly marked as follows: 'Restricted to industrial use and to professionals approved in certain EU Member States — verify where use is allowed.'</p> <p>1. 脱漆剂中二氯甲烷含量等于或大于 0.1%时, 不得: (i) 2010 年 12 月 6 日之后首次投放市场供给一般市民或专业人员使用; (ii) 2011 年 12 月 6 日之后投放市场供给一般市民或专业人员使用; (iii) 2012 年 6 月 6 日之后被专业人员使用; 对于此项目的如下: (i) “专业人员” 是指任何自然人或法人, 包括非利用工业装置进行油漆脱离专业工作的工人和个体工作者; (ii) “工业装置” 是指用于油漆剥离工作的设施。</p> <p>2. 通过从第 1 款的豁免, 成员国可以允许该物质在其领土, 由受过专门训练的专业人士使用, 含有二氯甲烷的脱漆剂允许被投放市场, 供应给那些专业人士。 各会员国在使用这种减免时应精确的解释专业人士在使用含二氯甲烷脱漆剂时的健康和安全条款, 并应告知欧委会。 这些规定应包括一项规定, 即专业人员应具有该会员国承认的专业证书, 或提供其他的文件证明, 或以其他方式由该会员国认可, 以表明接受过适当的训练具备相关的能力可以安全地使用含有二氯甲烷的脱漆剂。委员会将拟订一个已在这一阶段使用减免会员国名单, 并通过互联网使其该减免更大规模的使用。</p> <p>3. 第 2 款所指的减免带来的专业受益应只在那些已使用该减损的会员国间进行运作。第 2 款所指的训练应包括最低限度的: (i) 知晓健康的评估和风险管理, 包括现有替代品或加工过程, 它的使用条件下最少危及工人的健康和安全的消息; (ii) 足够的通风条件下使用;</p>

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	<p>(iii) 依照指令 89/686/EEC 的规定, 使用适当的个人防护设备。 雇主及个体工作者最好使用那些在它的条件下使用时, 对工人健康和安全来说不存在风险、或风险较低的化学试剂来替代二氯甲烷。</p> <p>4. 专业人员应使用所有在实际操作中有关的安全措施, 包括个人防护装备的使用措施。在不与其它共同体有关对工人保护的法规相抵触的情况下, 二氯甲烷含量等于或大于 0.1%的脱漆剂可在工业装备上使用, 必须满足以下最低条件:</p> <p>(i) 在所有的处理加工区域必须要充足的通风, 特别是湿处理和烘干脱漆的物品的过程: 脱漆剂罐的局部排气装置增补强制性的通风设备, 以把暴露风险降至最低。</p> <p>(ii) 用来尽量减少脱漆剂罐蒸发的措施包括: 再不使用的时候用盖子覆盖脱漆剂罐; 合适的脱漆剂罐的安装与卸载安排; 用水或浓盐水冲洗容器卸载后多余的溶剂;</p> <p>(iii) 脱漆剂罐中的二氯甲烷安全处理措施包括: 用泵和管道来传入和传出脱漆剂; 恰当的安排污泥清除及安全清洁容器;</p> <p>(iv) 符合 89/686/EEC 指令的个人防护设备, 包括: 适当的防护手套, 安全护目镜和防护服装; 和符合有关职业暴露限值要求的呼吸防护设备, 否则无法实现;</p> <p>(v) 为运营商提供在使用这种设备时的充分信息, 指导和培训。</p> <p>5. 在不与其它共同体有关规定的物质和混合物的分类, 包装和标签的执行情况相抵触的条件下, 2011 年 12 月 6 日, 二氯甲烷含量大于等于 0.1%的脱漆剂应显示清晰可见且难擦掉的如下字样: “限制工业用途, 某些欧盟成员国批准的专业人员允许使用。”</p>
<p>60. Acrylamide 丙烯酰胺 CAS No 79-06-1</p>	<p>Shall not be placed on the market or used as a substance or constituent of mixtures in a concentration, equal to or greater than 0.1 % by weight for grouting applications after 5 November 2012.</p> <p>在 2012 年 11 月 05 日之后, 当以物质或混合物的形式其浓度大于或等于 0.1% (重量计) 时, 不可用于灌浆(材料)使用投放市场。</p>

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61. Dimethylfumarate (DMF) 富马酸二甲酯 (DMF) CAS No 624-49-7 EC 210-849-0	Shall not be used in articles or any parts thereof in concentrations greater than 0.1 mg/kg. Articles or any parts thereof containing DMF in concentrations greater than 0.1 mg/kg shall not be placed on the market. 用于物品及物品的任一成分中 DMF 的含量不得超过 0.1mg/kg 物品及物品中任一成分 DMF 含量超过 0.1mg/kg 不得投放市场。
62. (a) Phenylmercury acetate 醋酸苯汞 EC No.: 200-532-5 CAS No.: 62-38-4 (b) Phenylmercury propionate 丙酸苯汞 EC No.: 203-094-3 CAS No.: 103-27-5 (c) Phenylmercury 2-ethylhexanoate 异辛酸苯汞 EC No.: 236-326-7 CAS No.: 13302-00-6 (d) Phenylmercury octanoate 辛酸苯汞 EC No.: -	1. Shall not be manufactured, placed on the market or used as substances or in mixtures after 10 October 2017 if the concentration of mercury in the mixtures is equal to or greater than 0.01 % by weight. 2. Articles or any parts thereof containing one or more of these substances shall not be placed on the market after 10 October 2017 if the concentration of mercury in the articles or any part thereof is equal to or greater than 0.01 % by weight. 1. 混合物中的含量大于或等于 0.01% (质量百分比), 则在 2017 年 10 月 10 日后禁止制造、投放市场或者使用这些物质或者混合物。 2. 物品或任何部件中的含量大于或等于 0.01% (质量百分比), 则在 2017 年 10 月 10 日后这些含有一类或多类物质的物品或任何部件不得投放市场。

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CAS No.: 13864-38-5 (e) Phenylmercury neodecanoate 新癸酸苯汞 EC No.: 247-783-7 CAS No.: 26545-49-3	
63. Lead 铅 CAS No 7439-92-1 EC No 231-100-4 and its compound	<ol style="list-style-type: none"> 1. Shall not be placed on the market or used in any individual part of jewellery articles if the concentration of lead (expressed as metal) in such a part is equal to or greater than 0.05 % by weight. 2. For the purposes of paragraph 1: <ol style="list-style-type: none"> (i) "jewellery articles" shall include jewellery and imitation jewellery articles and hair accessories, including: <ol style="list-style-type: none"> (a) bracelets, necklaces and rings; (b) piercing jewellery; (c) wrist watches and wrist-wear; (d) brooches and cufflinks; (ii) "any individual part" shall include the materials from which the jewellery is made, as well as the individual components of the jewellery articles. 3. Paragraph 1 shall also apply to individual parts when placed on the market or used for jewellery-making. 4. By way of derogation, paragraph 1 shall not apply to: <ol style="list-style-type: none"> (a) crystal glass as defined in Annex I (categories 1, 2, 3 and 4) to Council Directive 69/493/EEC (*****); (b) internal components of watch timepieces inaccessible to consumers; (c) non-synthetic or reconstructed precious and semiprecious stones (CN code 7103, as established by Regulation (EEC) No 2658/87), unless they have been treated with lead or its compounds or mixtures containing these substances;

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	<p>(d) enamels, defined as vitrifiable mixtures resulting from the fusion, vitrification or sintering of minerals melted at a temperature of at least 500 °C.</p> <p>5. By way of derogation, paragraph 1 shall not apply to jewellery articles placed on the market for the first time before 9 October 2013 and jewellery articles produced before 10 December 1961.</p> <p>6. By 9 October 2017, the Commission shall re-evaluate paragraphs 1 to 5 of this entry in the light of new scientific information, including the availability of alternatives and the migration of lead from the articles referred to in paragraph 1 and, if appropriate, modify this entry accordingly.</p> <p>7. Shall not be placed on the market or used in articles supplied to the general public, if the concentration of lead (expressed as metal) in those articles or accessible parts thereof is equal to or greater than 0.05 % by weight, and those articles or accessible parts thereof may, during normal or reasonably foreseeable conditions of use, be placed in the mouth by children.</p> <p>That limit shall not apply where it can be demonstrated that the rate of lead release from such an article or any such accessible part of an article, whether coated or uncoated, does not exceed 0.05 µg/cm² per hour (equivalent to 0.05 µg/g/h), and, for coated articles, that the coating is sufficient to ensure that this release rate is not exceeded for a period of at least two years of normal or reasonably foreseeable conditions of use of the article. For the purposes of this paragraph, it is considered that an article or accessible part of an article may be placed in the mouth by children if it is smaller than 5 cm in one dimension or has a detachable or protruding part of that size.</p> <p>8. By way of derogation, paragraph 7 shall not apply to:</p> <p>(a) jewellery articles covered by paragraph 1;</p> <p>(b) crystal glass as defined in Annex I (categories 1, 2, 3 and 4) to Directive 69/493/EEC;</p>

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	<p>(c) non-synthetic or reconstructed precious and semi-precious stones (CN code 7103 as established by Regulation (EEC) No 2658/87) unless they have been treated with lead or its compounds or mixtures containing these substances;</p> <p>(d) enamels, defined as vitrifiable mixtures resulting from the fusion, vitrification or sintering of mineral melted at a temperature of at least 500 °C;</p> <p>(e) keys and locks, including padlocks;</p> <p>(f) musical instruments;</p> <p>(g) articles and parts of articles comprising brass alloys, if the concentration of lead (expressed as metal) in the brass alloy does not exceed 0,5 % by weight;</p> <p>(h) the tips of writing instruments;</p> <p>(i) religious articles;</p> <p>(j) portable zinc-carbon batteries and button cell batteries;</p> <p>(k) articles within the scope of:</p> <ul style="list-style-type: none"> (i) Directive 94/62/EC; (ii) Regulation (EC) No 1935/2004; (iii) Directive 2009/48/EC of the European Parliament and of the Council; (iv) Directive 2011/65/EU of the European Parliament and of the Council. <p>9. By 1 July 2019, the Commission shall re-evaluate paragraphs 7 and 8(e), (f), (i) and (j) of this entry in the light of new scientific information, including the availability of alternatives and the migration of lead from the articles referred to in paragraph 7, including the requirement on coating integrity, and, if appropriate, modify this entry accordingly.</p> <p>10. By way of derogation paragraph 7 shall not apply to articles placed on the market for the first time before 1 June</p>

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	<p>2016.</p> <p>11. Doing either of the following acts after 15 February 2023 in or within 100 metres of wetlands is prohibited:</p> <ul style="list-style-type: none"> (a) discharging gunshot containing a concentration of lead (expressed as metal) equal to or greater than 1 % by weight; (b) carrying any such gunshot where this occurs while out wetland shooting or as part of going wetland shooting. <p>For the purposes of the first subparagraph:</p> <ul style="list-style-type: none"> (a) “within 100 metres of wetlands” means within 100 metres outward from any outer boundary point of a wetland; (b) “wetland shooting” means shooting in or within 100 metres of wetlands; (c) if a person is found carrying gunshot in or within 100 metres of wetlands while out shooting or as part of going shooting, the shooting concerned shall be presumed to be wetland shooting unless that person can demonstrate that it was some other type of shooting. <p>The restriction laid down in the first subparagraph shall not apply in a Member State if that Member State notifies the Commission in accordance with paragraph 12 that it intends to make use of the option granted by that paragraph.</p> <p>12. If at least 20 % in total of the territory, excluding the territorial waters, of a Member State are wetlands, that Member State may, in place of the restriction laid down in the first subparagraph of paragraph 11, prohibit the following acts throughout the whole of its territory from 15 February 2024:</p> <ul style="list-style-type: none"> (a) the placing on the market of gunshot containing a concentration of lead (expressed as metal) equal to or greater than 1 % by weight; (b) the discharging of any such gunshot;

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	<p>(c) carrying any such gunshot while out shooting or as part of going shooting. Any Member State intending to make use of the option granted by the first subparagraph shall notify the Commission of this intention by 15 August 2021. The Member State shall communicate the text of the national measures adopted by it to the Commission without delay and in any event by 15 August 2023. The Commission shall make publicly available without delay any such notices of intention and texts of national measures received by it.</p> <p>13. For the purposes of paragraphs 11 and 12:</p> <p>(a) "wetlands" means areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed 6 metres;</p> <p>(b) "gunshot" means pellets used or intended for use in a single charge or cartridge in a shotgun;</p> <p>(c) "shotgun" means a smooth-bore gun, excluding airguns;</p> <p>(d) "shooting" means any shooting with a shotgun;</p> <p>(e) "carrying" means any carrying on the person or carrying or transporting by any other means;</p> <p>(f) in determining whether a person found with gunshot is carrying gunshot "as part of going shooting" :</p> <p>(i) regard shall be had to all the circumstances of the case;</p> <p>(ii) the person found with the gunshot need not necessarily be the same person as the person shooting.</p> <p>14. Member States may maintain national provisions for protection of the environment or human health in force on 15 February 2021 and restricting lead in gunshot more severely than provided for in paragraph 11. The Member State shall communicate the text of those national provisions to the Commission without delay. The Commission shall make publicly available without delay any such texts of national provisions received by it.</p> <p>15. Shall not be placed on the market or used in articles produced from polymers or copolymers of vinyl chloride</p>

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	<p>('PVC'), if the concentration of lead is equal to or greater than 0,1 % by weight of the PVC material.</p> <p>16. Paragraph 15 shall apply with effect from 29 November 2024.</p> <p>17. By way of derogation, paragraph 15 shall not apply to PVC articles containing recovered flexible PVC until 28 May 2025.</p> <p>18. By way of derogation, paragraph 15 shall not apply to the following PVC articles containing recovered rigid PVC until 28 May 2033, if the concentration of lead is lower than 1,5 % by weight of the recovered rigid PVC:</p> <ul style="list-style-type: none"> (a) profiles and sheets for exterior applications in buildings and civil engineering works, excluding decks and terraces; (b) profiles and sheets for decks and terraces, provided that the recovered PVC is used in a middle layer and is entirely covered with a layer of PVC or other material for which the concentration of lead is lower than 0,1 % by weight; (c) profiles and sheets for use in concealed spaces or voids in buildings and civil engineering works (where they are inaccessible during normal use, excluding maintenance, for example, cable ducts); (d) profiles and sheets for interior building applications, provided that the entire surface of the profile or sheet facing the occupied areas of a building after installation is produced using PVC or other material for which the concentration of lead is lower than 0,1 % by weight; (e) multi-layer pipes (excluding pipes for drinking water), provided that the recovered PVC is used in a middle layer and is entirely covered with a layer of PVC or other material for which the concentration of lead is lower than 0,1 % by weight; (f) fittings, excluding fittings for pipes for drinking water. <p>From 28 May 2026, rigid PVC recovered from the categories of articles referred to in points (a) to (d) shall only be used for the production of new articles of any of those categories.</p>

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	<p>Suppliers of PVC articles containing recovered rigid PVC with a concentration of lead equal to or greater than 0,1 % by weight of the PVC material shall ensure, before placing those articles on the market, that they are visibly, legibly and indelibly marked with the statement: "Contains \geq 0,1 % lead" . Where the marking cannot be provided on the article due to the nature of the article, it shall be on the packaging of the article.</p> <p>Suppliers of PVC articles containing recovered rigid PVC shall submit to national enforcement authorities upon request documentary evidence to substantiate the claims on the recovered origin of the PVC in those articles. Certificates issued by schemes to provide proof of traceability and recycled content, such as those developed according to EN 15343:2007 or equivalent recognised standards, may be used to substantiate such claims for PVC articles produced in the Union. Claims made on the recovered origin of the PVC in imported articles shall be accompanied by a certificate that provides equivalent proof of traceability and recycled content, issued by an independent third party.</p> <p>By 28 May 2028, the Commission shall review this paragraph in light of new scientific information and, if appropriate, modify it accordingly.</p> <p>19. By way of derogation, paragraph 15 shall not apply to:</p> <ul style="list-style-type: none"> (a) PVC-silica separators in lead acid batteries, until 28 May 2033; (b) articles covered by paragraph 1, in accordance with paragraphs 2 to 5, and by paragraph 7 in accordance with paragraphs 8 and 10; (c) articles within the scope of: <ul style="list-style-type: none"> (i) Regulation (EC) No 1935/2004; (ii) Directive 2011/65/EU; (iii) Directive 94/62/EC; (iv) Directive 2009/48/EC.

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	<p>20. By way of derogation, paragraph 15 shall not apply to PVC articles placed on the market until 28 November 2024.</p> <p>1. 若珠宝产品的任何单个部件的铅含量大于或等于 0.05% (重量百分比), 则不得投放市场或者在市场使用。</p> <p>2. 针对第 1 条:</p> <p>(i) “珠宝产品” 包括珠宝和仿制珠宝以及头饰, 包括:</p> <p>(a) 手镯、项链和戒指;</p> <p>(b) 贵重珠宝;</p> <p>(c) 腕表和腕带;</p> <p>(d) 胸针和袖扣。</p> <p>(ii) “任何单个部件” 应包括珠宝制造所用的所有材料, 同样适用于珠宝制品的任何单个部分。</p> <p>3. 若珠宝制品的单个部件用以投放市场或在珠宝制造中添加使用, 则第 1 条也适用于单个部件。</p> <p>4. 作为豁免, 第 1 条不适用于:</p> <p>(a) 理事会指令 69/493/EEC 的附件 I (1、2、3 和 4 类) 定义的水晶玻璃;</p> <p>(b) 对消费者而言不可接触的钟表产品的内部成份;</p> <p>(c) 非合成或再生的贵重宝石和装饰性宝石 (CN 码 7103, 归于条例(EEC)No 2658/87 中), 除非其用铅或铅化合物或者经含有此类物质的混合物处理;</p> <p>(d) 珐琅, 被定义为至少在 500°C 的温度下矿物融化、玻璃化或烧结而得到的玻璃化混合物。</p> <p>5. 作为豁免, 第 1 条不适用于第一次投放时间早于 2013 年 10 月 9 日的珠宝产品以及在 1961 年 12 月 10 日前制造的珠宝产品。</p> <p>6. 2017 年 10 月 9 日之前, 委员会应结合最新的科学信息就以上 1-5 条内容, 对其替代品的可行性以及第 1 条中有关物品中铅的限值进行重新评估, 如果有必要, 根据相关信息修订本条款。</p>

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	<p>7. 在正常合理可预见的情况下，能被儿童放入口中的物品以及可接触部件中的铅含量（以铅计）大于等于 0.05%的，不得投放市场或供应给公众使用。</p> <p>本限量要求不适用于当某物品或物品的可接触部件（无论其是否含有涂层）中铅的释放量已被证实不超过 0.05 $\mu\text{g}/\text{cm}^2/\text{h}$（相当于 0.05 $\mu\text{g}/\text{g}/\text{h}$）；同时，对于含有涂层的物品，需要确保在正常合理可预见的情况下，该涂层保证至少 2 年铅的释放量不超过以上限值。</p> <p>在本段中，判断物品及可接触部件可被儿童放入口中的依据为：物品某一面的尺寸小于 5cm，或者其某一可分离部件或突出部件的尺寸小于 5cm。</p> <p>8. 作为第 7 条的豁免，以下产品不受管控：</p> <ul style="list-style-type: none"> (a) 第 1 条中已经管控的珠宝制品； (b) 欧盟指令 69/493/EEC 的附件 I（1, 2, 3 和 4 类）中定义的水晶玻璃； (c) 非合成或再生的贵重宝石和装饰性宝石（CN 码 7103，归于条例(EEC)No 2658/87 中），除非其用铅或铅化合物或者经含有此类物质的混合物处理； (d) 珐琅，被定义为至少在 500°C 的温度下矿物融化、玻璃化或烧结而得到的玻璃化混合物； (e) 钥匙和锁，包括挂锁； (f) 乐器； (g) 由黄铜组成的物品或者物品部件，若其黄铜中铅的浓度(以铅计)不超过 0.5%（质量分数）； (h) 书写工具的尖端； (i) 宗教用品； (j) 便携式锌-碳电池以及纽扣电池； (k) 以下范围内的物品： <ul style="list-style-type: none"> (i) Directive 94/62/EC 欧盟包装指令； (ii) Regulation (EC) No 1935/2004 欧盟食品接触材料法规；

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	<p>(iii) Directive 2009/48/EC 欧盟玩具安全指令; (iv) Directive 2011/65/EU 欧盟 RoHS 2.0。</p> <p>9. 在 2019 年 7 月 1 日前, 委员会应结合最新科技信息就第 7 条和第 8(e), (f), (i) 和 (j)条内容, 对其替代品的可行性以及第 7 条中有关物品中铅的限值 (包括涂层的完整性要求) 进行重新评估, 如果有必要, 根据相关信息修订本条款。</p> <p>10. 作为豁免, 首次投放市场日期在 2016 年 6 月 1 日之前的产品, 不受第 7 条的管控。</p> <p>11. 2023 年 2 月 15 日后, 禁止在湿地或湿地周围 100 米区域内有以下任一行为: (a) 射击含铅量大于或等于 1% (以金属重量计) 的枪弹; (b) 在湿地射击或湿地射击相关环节携带此类枪弹。</p> <p>就第 1 段而言: (a) “湿地周围 100 米区域内” 指自湿地的任一边界点向外延伸 100 米距离。 (b) “湿地射击” 指在湿地或湿地周围 100 米区域内进行射击。 (c) 在湿地或湿地周围 100 米区域内一旦发现有人在射击或射击相关环节携带枪弹, 即可认为是湿地射击, 除非此人有证据证明其在进行其他类型的射击。</p> <p>已根据第 12 条向委员会通报其有意向选用该条限制的成员国, 本条第 1 段的限制不适用。</p> <p>12. 对于湿地占到总领土 20%或以上 (水域面积不计) 的成员国而言, 可选择自 2024 年 2 月 15 日起在全域范围内禁止以下行为, 以代替第 11 条第 1 小段所述限制: (a) 将含铅量大于或等于 1% (以金属重量计) 的枪弹投放市场; (b) 发射此类枪弹; (c) 在射击或射击相关环节携带此类枪弹。</p> <p>任何有意向选用本条第 1 段限制的成员国, 应于 2021 年 8 月 15 日前向委员会通报, 并于 2023 年 8 月 15 日前及时告知委员会其采取的措施内容。委员会应立即将这些意向通报和措施内容公开。</p> <p>13. 就第 11 条和 12 条而言:</p>

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	<p>(a) “湿地”指天然或人工，长久或暂时的沼泽地、泥炭地或水域地带，带有静止或流动的淡水、微咸水或含盐水的水体，包括退潮时水深不超过 6 米的海域。</p> <p>(b) “枪弹”指用于或意图用于霰弹猎枪的单发或弹夹里的子弹。</p> <p>(c) “霰弹猎枪”指滑膛枪，不包含气枪。</p> <p>(d) “射击”指用霰弹猎枪射击。</p> <p>(e) “携带”指人携带或通过其他方式携带、运输。</p> <p>(f) 在判断一个人是否涉及携带枪弹进行射击相关环节时：</p> <p>(i) 应考虑案件的所有情况；</p> <p>(ii) 应考虑携带枪弹和射击的人不一定是同一个人。</p> <p>14. 成员国如在 2021 年 2 月 15 日已经实施相关规定限制枪弹中的铅以保护环境和人类健康，且该规定比第 11 条中的限制条件更严格，则可以保留该规定。 成员国应立即向委员会通报这些规定的内容。委员会应立即将这些规定的内容公开。</p> <p>15. 若 PVC 材料中铅的含量大于等于 0.1%，则不得投放市场或用于制造由氯乙烯的聚合物或共聚物制成的物品。</p> <p>16. 第 15 条从 2024 年 11 月 29 日起适用。</p> <p>17. 作为豁免，第 15 条不适用于含有再生软质 PVC 的 PVC 制品，直到 2025 年 5 月 28 日。</p> <p>18. 作为豁免，若铅含量（以铅计）在再生硬质 PVC 中小于 1.5%（以重量计），第 15 条不适用于以下含有再生硬质 PVC 的 PVC 物品，直到 2033 年 5 月 28 日：</p> <p>(a) 用于建筑物和土木工程的外部的型材和板材，不包括甲板和露台；</p> <p>(b) 用于甲板和露台的型材和板材，前提是再生 PVC 被用于中间层，并完全被一层 PVC 或其他铅含量（以铅计）小于 0.1%（以重量计）的材料所覆盖；</p> <p>(c) 用于建筑物和土木工程的隐蔽空间或空隙的型材和板材（在正常使用期间不可接触，但不包括维护期间，例如电缆管道）；</p>

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	<p>(d) 用于室内建筑的型材和板材，前提是安装后，面向建筑物使用区域的型材或板材的整个表面是由 PVC 或其他铅含量（以铅计）小于 0.1%（以重量计）的材料制成的；</p> <p>(e) 多层管道（不包括饮用水管），前提是再生 PVC 被用于中间层，并完全被一层 PVC 或其他铅含量（以铅计）小于 0.1%（以重量计）的材料所覆盖；</p> <p>(f) 配件，不包括饮用水管配件。</p> <p>从 2026 年 5 月 28 日起，从(a)至(d)点提及的各类物品中回收的硬质 PVC 只能被用于生产这些类别中任一类别的新物品。含有再生硬质 PVC 的 PVC 物品，若铅含量（以铅计）大于等于 PVC 材料的 0.1%（以重量计），则该 PVC 物品的供应商应确保在将这些物品投放市场之前，明显、清晰和不可磨灭地标示：“Contains ≥ 0.1 % lead”（“含 ≥ 0.1 % 的铅”）。若由于物品性质而无法在物品上标注的，则应在其包装上进行标示。</p> <p>含有再生硬质 PVC 的 PVC 物品供应商，应按要求向成员国执法部门提交书面证明文件，以证明这些产品中 PVC 的回收来源。由机构出具的可追溯性和回收含量证书，例如根据 EN 15343:2007 或同等认可标准出具的证书，可用于证明在欧盟生产的 PVC 物品的此类声明。对进口物品中 PVC 的回收来源声明，应附有由独立第三方机构出具的可追溯性和回收含量的等效证明证书。</p> <p>在 2028 年 5 月 28 日之前，欧盟委员将根据新的科学信息对本段的要求进行审查，并视情况作相应修改。</p> <p>19. 作为豁免，第 15 条不适用于：</p> <p>(a) 铅酸电池中的聚氯乙烯-二氧化硅隔板，直到 2033 年 5 月 28 日；</p> <p>(b) 第 1 段所涵盖的物品，且满足第 2 段至第 5 段的豁免条件。以及第 7 段所涵盖的物品，且满足第 8 段和第 10 段的豁免条件；</p> <p>(c) 以下指令和法规范范围内的物品：</p> <p>(i) Regulation (EC) No 1935/2004 欧盟食品接触材料法规；</p> <p>(ii) Directive 2011/65/EU 欧盟 RoHS 2.0；</p> <p>(iii) Directive 94/62/EC 欧盟包装指令；</p>

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	(iv) Directive 2009/48/EC 欧盟玩具安全指令。 20. 作为豁免，第 15 段不适用于在 2024 年 11 月 28 日之前投放市场的 PVC 物品。
64. 1,4-dichlorobenzene 1,4-二氯苯 CAS No 106-46-7 EC No 203-400-5	Shall not be placed on the market or used, as a substance or as a constituent of mixtures in a concentration equal to or greater than 1 % by weight, where the substance or the mixture is placed on the market for use or used as an air freshener or deodoriser in toilets, homes, offices or other indoor public areas. 作为物质本身或混合物组分中该物质的浓度大于或等于 1%，用于洗手间、家庭、办公室或者其他室内公共场所的空气清新剂和除臭剂中时，禁止投放市场或使用。
65. Inorganic ammonium salts 无机铵盐	1. Shall not be placed on the market, or used, in cellulose insulation mixtures or cellulose insulation articles after 14 July 2018 unless the emission of ammonia from those mixtures or articles results in a concentration of less than 3 ppm by volume (2.12 mg/m ³) under the test conditions specified in paragraph 4. A supplier of a cellulose insulation mixture containing inorganic ammonium salts shall inform the recipient or consumer of the maximum permissible loading rate of the cellulose insulation mixture, expressed in thickness and density. A downstream user of a cellulose insulation mixture containing inorganic ammonium salts shall ensure that the maximum permissible loading rate communicated by the supplier is not exceeded. 2. By way of derogation, paragraph 1 shall not apply to placing on the market of cellulose insulation mixtures intended to be used solely for the production of cellulose insulation articles, or to the use of those mixtures in the production of cellulose insulation articles. 3. In the case of a Member State that, on 14 July 2016, has national provisional measures in place that have been authorised by the Commission pursuant to Article 129(2)(a), the provisions of paragraphs 1 and 2 shall apply from that date.

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<p>4. Compliance with the emission limit specified in the first subparagraph of paragraph 1 shall be demonstrated in accordance with Technical Specification CEN/TS 16516, adapted as follows:</p> <p>(a) the duration of the test shall be at least 14 days instead of 28 days;</p> <p>(b) the ammonia gas emission shall be measured at least once per day throughout the test;</p> <p>(c) the emission limit shall not be reached or exceeded in any measurement taken during the test;</p> <p>(d) the relative humidity shall be 90 % instead of 50 %;</p> <p>(e) an appropriate method to measure the ammonia gas emission shall be used;</p> <p>(f) the loading rate, expressed in thickness and density, shall be recorded during the sampling of the cellulose insulation mixtures or articles to be tested.</p> <p>2. 从 2018 年 7 月 14 日起不得投放市场及用于纤维素绝缘混合物和纤维素绝缘产品，除非这类混合物及物品中释放的氨体积质量分数根据第 4 段的测试方法测得的结果小于等于 3ppm (2.12 mg/m³)。</p> <p>含无机铵盐的纤维素绝缘混合物的供应商应告知接收者或消费者该纤维素绝缘混合物的最大允许负荷率（用厚度和密度表示）。</p> <p>含无机铵盐的纤维素绝缘混合物的下游用户应确保由供应商告知的最大允许负荷率不超标。</p> <p>3. 第 1 条不适用于 仅用于制造纤维素绝缘物品的纤维素绝缘混合物的投放市场和在该制造过程中的使用。</p> <p>4. 根据成员国的案例，从 2016 年 7 月 14 日起，已有适当的国家临时措施并已根据法规第 129(2)(a)条获得委员会授权的，则第 1 条和第 2 条的规定将从该日起适用。</p> <p>5. 符合第 1 条的第一段所规定的排放限值应按照技术规范 CEN/ TS16516 测试，并有如下修正：</p> <p>(a) 该测试的持续时间应为至少 14 天，而不是 28 天；</p> <p>(b) 在整个测试过程中，氨气的释放量至少应每天测试一次；</p> <p>(c) 在测试过程中采取任何测量方式所测得的量均不得达到或超过排放量；</p>

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	(d) 相对湿度应为 90%，而不是 50%； (e) 应使用适当的方法来测量氨气的释放量； (f) 在纤维素绝缘混合物或纤维素绝缘物品被测试期间应记录其负荷率（用厚度和密度表示）。
66. Bisphenol A 双酚 A CAS No 80-05-7 EC No 201-245-8	Shall not be placed on the market in thermal paper in a concentration equal to or greater than 0.02 % by weight after 2 January 2020. 自 2020 年 1 月 2 日起，含双酚 A 含量大于等于 0.02%（以质量计）的热敏纸不得投放市场。
68. Linear and branched perfluorocarboxylic acids of the formula $C_nF_{2n+1}-C(=O)OH$ where $n = 8, 9, 10, 11, 12, \text{ or } 13$ (C9-C14 PFCAs), including their salts, and any combinations thereof; 分子式为 $C_nF_{2n+1}-C(=O)OH$ 的直链和支链全氟羧酸，其中 $n=8,9,10,11,12$ 或 13 （即 C9-C14 PFCAs），包括其盐类和任何组合； Any C9-C14 PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1} -directly attached to another carbon atom, where $n = 8, 9, 10, 11, 12, \text{ or } 13$, including their salts and any combinations thereof;	1. Shall not be manufactured, or placed on the market as substances on their own from 25 February 2023. 2. Shall not, from 25 February 2023, be used in, or placed on the market in: (a) another substance, as a constituent; (b) a mixture; (c) an article, except if the concentration in the substance, the mixture, or the article is below 25 ppb for the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances. 3. By way of derogation to paragraph 2, the concentration limit shall be 10 ppm for the sum of C9-C14 PFCAs, their salts and C9-C14 PFCA related substances, where they are present in a substance to be used as a transported isolated intermediate, provided that the conditions in points (a) to (f) of Article 18(4) of this Regulation are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms. The Commission shall review this limit no later than 25 August 2023. 4. Paragraph 2 shall apply from 4 July 2023 to: (i) textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety;

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<p>任何含有全氟基团, 分子式 C_nF_{2n+1}-, 直接连在另一个碳原子上, 其中 $n=8, 9, 10, 11, 12, 13$ 的 C9-C14 全氟羧酸相关物质, 包括其任何组合;</p> <p>Any C9-C14 PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1}- that it is not directly attached to another carbon atom, where $n = 9, 10, 11, 12, 13$ or 14 as one of the structural elements, including their salts and any combinations thereof.</p> <p>任何含有全氟基团, 分子式 C_nF_{2n+1}-不直接连在另一个碳原子上, 其中 $n = 9, 10, 11, 12, 13$ 或 14 作为结构元素之一的 C9-C14 全氟羧酸相关物质, 包括其任何组合。</p> <p>The following substances are excluded from this designation</p> <ul style="list-style-type: none"> — $C_nF_{2n+1}-X$, where $X = F, Cl, \text{ or } Br$ where $n = 9, 10, 11, 12, 13$ or 14, including any combinations thereof, — $C_nF_{2n+1}-C(=O)OX'$ where $n > 13$ and X'=any group, including salts. 	<ul style="list-style-type: none"> (ii) the manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: <ul style="list-style-type: none"> — high performance, corrosion resistant gas filter membranes, water filter membranes and membranes for medical textiles; — industrial waste heat exchanger equipment; — industrial sealants capable of preventing leakage of volatile organic compounds and PM 2,5 particulates <p>5. By way of derogation to paragraph 2, the use of C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall be allowed until 4 July 2025 for:</p> <ul style="list-style-type: none"> (i) photolithography or etch processes in semiconductor manufacturing; (ii) photographic coatings applied to films; (iii) invasive and implantable medical devices; (iv) fire-fighting foam for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems, including both mobile and fixed systems, subject to the following conditions: <ul style="list-style-type: none"> — fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall not be used for training; — fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall not be used for testing unless all releases are contained; — from 1 January 2023, uses of fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall only be allowed to sites where all releases can be contained; — fire-fighting foam stockpiles that contain or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall be managed in accordance with Article 5 of Regulation (EU) 2019/1021. <p>6. Paragraph 2(c) shall not apply to articles placed on the market before 25 February 2023.</p> <p>7. Paragraph 2 shall not apply to the can coating for pressurised metered-dose inhalers until 25 August 2028.</p>

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<p>以下物质不属于本范围：</p> <p>— 分子式为 $C_nF_{2n+1}-X$，其中 $X=F, Cl$ 或 Br，$n=9, 10, 11, 12, 13, 14$，包括任何组合；</p> <p>— 分子式为 $C_nF_{2n+1}-C(=O)OX'$，其中 $n>13$ 且 X' =任何基团，包括盐类。</p>	<p>8. Paragraph 2 (c) shall apply from 31 December 2023 to:</p> <p>(a) semiconductors on their own;</p> <p>(b) semiconductors incorporated in semi-finished and finished electronic equipment.</p> <p>9. Paragraph 2(c) shall apply from 31 December 2030 to semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023.</p> <p>10. Until 25 August 2024, the concentration limit referred to in paragraph 2 shall be 2 000 ppb for the sum of C9-C14 PFCAs in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups. From 25 August 2024, the concentration limit shall be 100 ppb for the sum of C9-C14 PFCAs, in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups. All emissions of C9-C14 PFCAs during the manufacture and use of fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups shall be avoided and, if not possible, reduced as far as technically and practically possible. This derogation shall not apply to articles referred to in paragraph 2(c). The Commission shall review this derogation no later than 25 August 2024.</p> <p>11. The concentration limit referred to in paragraph 2 shall be 1 000 ppb for the sum of C9-C14 PFCAs, where these are present in PTFE micro powders produced by ionising irradiation or by thermal degradation, as well as in mixtures and articles for industrial and professional uses containing PTFE micro powders. All emissions of C9-C14 PFCAs during the manufacture and use of PTFE micro powders shall be avoided and, if not possible, reduced as far as technically and practically possible. The Commission shall review this derogation no later than 25 August 2024.</p> <p>12. For the purposes of this entry, C9-C14 PFCA-related substances are substances that, based on their molecular structure, are considered to have the potential to degrade or be transformed to C9-C14 PFCAs.</p> <p>1. 2023年2月25日起，该物质本身不得制造及投放市场。</p> <p>2. 2023年2月25日起，不得将物质用于或在以下产品中投放市场：</p>

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	<p>(a) 作为另一物质的组分；</p> <p>(b) 混合物；</p> <p>(c) 物品，</p> <p>除非物质、混合物或物品中 C9-C14 全氟羧酸及其盐类的总浓度小于 25 ppb，或 C9-C14 全氟羧酸相关物质的总浓度小于 260 ppb。</p> <p>3. 作为第 2 条的豁免，如 C9-C14 全氟羧酸、其盐类及 C9-C14 全氟羧酸相关物质作为生产含碳链小于等于 6 个原子的含氟化合物的副产物（生产过程符合本法规第 18 (4) 条中第 (a) 到 (f) 点规定的严格可控条件）存在于用作可转移的分离中间体的物质中，其在该物质中的总浓度限值为 10 ppm。委员会应于 2023 年 8 月 25 日前审核该限值。</p> <p>4. 自 2023 年 7 月 4 日起，第 2 条将适用于以下产品：</p> <p>(i) 用于保护工人免受危害其健康和安全的危险液体伤害的防油防水纺织品；</p> <p>(ii) 聚四氟乙烯 (PTFE) 和聚偏氟乙烯 (PVDF) 的制造，用于生产：</p> <ul style="list-style-type: none"> — 高性能耐腐蚀气体滤膜、水滤膜和医用纺织品用滤膜； — 工业废热交换器设备； — 能够防止挥发性有机化合物和 PM2.5 微粒泄漏的工业密封剂。 <p>5. 作为第 2 条的豁免，2025 年 7 月 4 日前，C9-C14 全氟羧酸、其盐类及其相关物质允许用于以下产品：</p> <p>(i) 半导体制造业中的光刻或蚀刻工艺；</p> <p>(ii) 用于胶片的感光涂层；</p> <p>(iii) 侵入式和植入式医疗器械；</p> <p>(iv) 已安装在移动或固定系统中用于抑制液体燃料蒸汽和液体燃料火灾 (B 级火灾) 的灭火泡沫，但需满足以下条件：</p> <ul style="list-style-type: none"> — 含有或可能含有 C9-C14 PFCAs、其盐类及其相关物质的灭火泡沫不得用于培训； — 含有或可能含有 C9-C14 PFCAs、其盐类及其相关物质的灭火泡沫不得用于测试，除非其释放物能被控制；

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	<ul style="list-style-type: none"> — 自 2023 年 1 月 1 日起, 仅允许在可控制所有释放物的场所使用含有或可能含有 C9-C14 PFCAs、其盐类及其相关物质的灭火泡沫; — 含有或可能含有 C9-C14 PFCAs、其盐类及其相关物质的灭火泡沫库存应按照持久性有机污染物(POPs)法规(EU) 2019/1021 第 5 条管理。 <p>6. 第 2 (c) 条不适用于 2023 年 2 月 25 日前投放市场的物品。</p> <p>7. 2028 年 8 月 25 日前第 2 条不适用于压力式定量气雾装置的罐内涂层。</p> <p>8. 第 2(c)条自 2023 年 12 月 31 日起适用于:</p> <ul style="list-style-type: none"> (a) 半导体本身; (b) 半成品或成品电子设备中的半导体。 <p>9. 第 2(c)条自 2030 年 12 月 31 日起适用于 2023 年 12 月 31 日之前投放市场的成品电子设备的配件或替换件中使用的半导体。</p> <p>10. 在 2024 年 8 月 25 日之前, 在含有全氟烷氧基的氟塑料和氟弹性体中, 第 2 段所述的 C9-C14 全氟羧酸总浓度限值应为 2000 ppb。自 2024 年 8 月 25 日起, 含全氟烷氧基的氟塑料和含氟弹性体中 C9-C14 全氟羧酸的总浓度限值为 100 ppb。在制造和使用含有全氟烷氧基的氟塑料和氟弹性体过程中, 应避免所有 C9-C14 全氟羧酸的排放, 如无法避免, 应在技术和实际允许的情况下尽可能减少排放。为不与第 2 条冲突, 本条不适用于第 2(c)条中提到的物品。委员会应于 2024 年 8 月 25 日前审核本豁免条款。</p> <p>11. 如 C9-C14 全氟羧酸存在于通过电离辐射或热降解产生的 PTFE 微粉或含 PTFE 微粉的工业和专业用混合物和制品中, 其第 2 段所述总浓度限值应为 1000 ppb。在 PTFE 微粉的制造和使用过程中, 应避免所有 C9-C14 全氟羧酸的排放, 如无法避免, 应在技术和实际允许的情况下尽可能减少排放。委员会应于 2024 年 8 月 25 日前审核本豁免条款。</p> <p>12. 就本项限制而言, C9-C14 全氟羧酸相关物质是指根据分子结构被认为有降解或转换为 C9-C14 全氟羧酸的潜在可能性的物质。</p>
69. Methanol	Shall not be placed on the market to the general public after 9 May 2019 in windscreen washing or defrosting fluids, in

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甲醇 CAS No 67-56-1 EC No 200-659-6	a concentration equal to or greater than 0,6 % by weight. 2019年5月9日后, 不得将含甲醇以质量计浓度大于等于0.6%的挡风玻璃清洗液和解冻液投放市场供应给一般公众。
70. Octamethylcyclotetrasiloxane (D4) 八甲基环四硅氧烷 (D4) CAS No 556-67-2 EC No 209-136-7 Decamethylcyclopentasiloxane (D5) 十甲基环五硅氧烷 (D5) CAS No 541-02-6 EC No 208-764-9 Dodecamethylcyclohexasiloxane (D6) 十二甲基环六硅氧烷 (D6) CAS No 540-97-6 EC No 208-762-8	1. Shall not be placed on the market (a) as a substance on its own; (b) as a constituent of other substances; or (c) in mixtures; in a concentration equal to or greater than 0,1 % by weight of the respective substance after 6 June 2026. 2. Shall not be used as a solvent for the dry cleaning of textiles, leather and fur after 6 June 2026. 3. By way of derogation: (a) for D4 and D5 in wash-off cosmetic products, paragraph 1, point (c), shall apply after 31 January 2020. For the purposes of this point, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1), point (a), of Regulation (EC) No 1223/2009 of the European Parliament and of the Council (*1) that, under normal conditions of use, are washed off with water after application; (b) for all cosmetic products other than the ones mentioned in paragraph 3(a), paragraph 1 shall apply after 6 June 2027; (c) for devices as defined in Article 1(4) of Regulation (EU) 2017/745 of the European Parliament and of the Council and in Article 1(2) of Regulation (EU) 2017/746 of the European Parliament and the Council , paragraph 1 shall apply after 6 June 2031; (d) for medicinal products, as defined in Article 1, point 2, of Directive 2001/83/EC, and for veterinary medicinal products, as defined in Article 4(1) of Regulation (EU) 2019/6 (*4), paragraph 1 shall apply after 6 June 2031;

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	<p>(e) for D5 as a solvent in the dry cleaning of textiles, leather and fur, paragraphs 1 and 2 shall apply after 6 June 2034.</p> <p>4. By way of derogation, paragraph 1 shall not apply to the:</p> <p>(a) placing on the market of D4, D5 and D6 for the following industrial uses:</p> <ul style="list-style-type: none"> —as a monomer in the production of silicone polymer, —as an intermediate in the production of other silicon substances, —as a monomer in polymerisation, —in the formulation or (re)packing of mixtures, —in the production of articles, —in non-metal surface treatment; <p>(b) placing on the market of D5 and D6 for use as devices, as defined in Article 1(4) of Regulation (EU) 2017/745, for the treatment and care of scars and wounds, the prevention of wounds and the care of stoma;</p> <p>(c) placing on the market of D5 for professional use in the cleaning or restoration of art and antiques;</p> <p>(d) placing on the market of D4, D5 and D6 for use as laboratory reagent in research and development activities carried out under controlled conditions.</p> <p>5. By way of derogation, paragraph 1, point (b), shall not apply to the placing on the market of D4, D5 and D6:</p> <ul style="list-style-type: none"> —as a constituent of a silicone polymer on its own, —as a constituent of a silicone polymer in a mixture derogated under paragraph 6. <p>6. By way of derogation, paragraph 1, point (c), shall not apply to the placing on the market of mixtures that contain D4, D5 or D6 as residues from silicone polymers, under the following conditions:</p> <p>(a) D4, D5 or D6 in a concentration equal to or less than 1 % by weight of the respective substance in the mixture, for use in adhesion, sealing, gluing and casting;</p>

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	<ul style="list-style-type: none"> (b) D4 in a concentration equal to or less than 0,5 % by weight, or D5 or D6 in a concentration equal to or less than 0,3 % by weight of either substance in the mixture for use as protective coatings (including marine coatings); (c) D4, D5 or D6 in a concentration equal to or less than 0,2 % by weight of the respective substance in the mixture, for use as devices as defined in Article 1(4) of Regulation (EU) 2017/745 and in Article 1(2) of Regulation (EU) 2017/746, other than the devices referred to in paragraph 6(d); (d) D5 in a concentration equal to or less than 0,3 % by weight in the mixture or D6 in a concentration equal to or less than 1 % by weight in the mixture, for use as devices as defined in Article 1(4) of Regulation (EU) 2017/745, for dental impression; (e) D4 in a concentration equal to or less than 0,2 % by weight in the mixture, or D5 or D6 in a concentration equal to or less than 1 % by weight of either substance in the mixture for use as silicone insoles for horses, or as horseshoes; (f) D4, D5 or D6 in a concentration equal to or less than 0,5 % by weight of the respective substance in the mixture, for use as adhesion promoters; (g) D4, D5 or D6 in a concentration equal to or less than 1 % by weight of the respective substance in the mixture, for use in 3D-printing; (h) D5 in a concentration equal to or less than 1 % by weight in the mixture or D6 in a concentration equal to or less than 3 % by weight in the mixture, for rapid prototyping and mould making, or high performance uses stabilised by quartz filler; (i) D5 or D6 in a concentration equal to or less than 1 % by weight of either substance in the mixture, for use in pad printing, or manufacturing of printing pads;

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	<p>(j) D6 in a concentration equal to or less than 1 % by weight of the mixture, for professional use in the cleaning or restoration of art and antiques.</p> <p>7. By way of derogation, paragraphs 1 and 2 shall not apply to the placing on the market for use, or to the use, of D5 as a solvent in strictly controlled closed dry cleaning systems for textile, leather and fur, where the cleaning solvent is recycled or incinerated.</p> <p>1. 不得在市场上销售： (a) 作为单独的物质； (b) 作为其他物质的组分； (c) 作为混合物； 在 2026 年 6 月 6 日后，其浓度等于或大于 0.1%（按重量计）。</p> <p>2. 在 2026 年 6 月 6 日后，不得将其用作纺织品、皮革和皮草的干洗溶剂。</p> <p>3. 作为豁免： (a) 对于 D4 和 D5 在洗去类化妆品中的使用，1(c)点的要求将在 2020 年 1 月 31 日后适用。 该条中，“洗去类化妆品”指根据欧洲议会及理事会法规(EC) No 1223/2009 第 2(1)条，(a)点定义的化妆品，在正常使用条件下，使用后需用水冲洗。 (b) 对于第 3(a)点未提及的所有其他化妆品，第 1 条将在 2027 年 6 月 6 日后适用； (c) 对于根据欧洲议会及理事会法规(EU) 2017/745 第 1(4)条和(EU) 2017/746 第 1(2)条定义的设备，第 1 条将在 2031 年 6 月 6 日后适用； (d) 对于根据指令 2001/83/EC 第 1 条，第 2 点定义的药品，以及根据法规(EU) 2019/6 第 4(1)条定义的兽用药品，第 1 条将在 2031 年 6 月 6 日后适用； (e) 对于作为纺织品、皮革和皮草干洗溶剂的 D5，第 1 条和第 2 条将在 2034 年 6 月 6 日后适用。</p>

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	<p>4. 作为豁免，第 1 条不适用于：</p> <p>(a) 将 D4、D5 和 D6 用于以下工业用途的市场销售：</p> <ul style="list-style-type: none"> —作为硅聚合物生产中的单体， —作为生产其他硅物质的中间体， —作为聚合反应中的单体， —混合物的配制或（重新）包装， —制造物品， —非金属表面处理； <p>(b) 将 D5 和 D6 用于法规(EU) 2017/745 第 1(4)条定义的，用于疤痕和伤口的治疗和护理、伤口的预防和造口护理的设备投放市场；</p> <p>(c) 将 D5 用于清洁或修复艺术品和古董的专业用途投放市场；</p> <p>(d) 将 D4、D5 和 D6 用作在受控条件下进行的研发活动中的实验室试剂投放市场。</p> <p>5. 作为豁免，第 1 条(b)点不适用于以下情况下 D4、D5 和 D6 的投放市场：</p> <ul style="list-style-type: none"> —作为单独的硅聚合物的组分， —作为第 6 条下豁免的混合物中的硅聚合物的组分。 <p>6. 作为豁免，第 1 条(c)点不适用于含有 D4、D5 或 D6 作为硅聚合物残留物的混合物的投放市场，条件如下：</p> <ul style="list-style-type: none"> (a) 混合物中 D4、D5 或 D6 的浓度分别等于或小于 1%，用于粘合、密封、胶合和铸造； (b) 混合物中 D4 的浓度等于或小于 0.5%，或 D5 或 D6 的浓度等于或小于 0.3%，用于保护涂层（包括船用涂层）； (c) 混合物中 D4、D5 或 D6 的浓度分别等于或小于 0.2%，用于法规(EU) 2017/745 第 1(4)条和法规(EU) 2017/746 第 1(2)条定义的设备，但不包括第 6(d)条提到的设备； (d) 混合物中 D5 的浓度等于或小于 0.3%，或 D6 的浓度等于或小于 1%，用于法规(EU) 2017/745 第 1(4)条定义的牙科印模设备；

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	<p>(e) 混合物中 D4 的浓度等于或小于 0.2%，或 D5 或 D6 的浓度等于或小于 1%，用于马用硅胶鞋垫或马蹄铁；</p> <p>(f) 混合物中 D4、D5 或 D6 的浓度分别等于或小于 0.5%，用于粘合促进剂；</p> <p>(g) 混合物中 D4、D5 或 D6 的浓度分别等于或小于 1%，用于 3D 打印；</p> <p>(h) 混合物中 D5 的浓度等于或小于 1%，或 D6 的浓度等于或小于 3%，用于快速样机制作和模具制造，或以石英调料稳定的高性能用途；</p> <p>(i) 混合物中 D5 或 D6 的浓度等于或小于 1%，用于移印或制造印垫；</p> <p>(j) 混合物中 D6 的浓度等于或小于 1%，用于清洁或修复艺术品和古董的专业用途。</p> <p>7. 作为，第 1 条和第 2 条不适用于 D5 作为纺织品、皮革和皮草的干洗溶剂投放市场或使用，用于严格控制的封闭干洗系统，且其中清洁溶剂被回收或焚烧。</p>
71. 1-methyl-2-pyrrolidone (NMP) 1-甲基-2 吡咯烷酮 (NMP) CAS No 872-50-4 EC No 212-828-1	<p>1. Shall not be placed on the market as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manufacturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, Derived No-Effect Levels (DNELs) relating to exposure of workers of 14,4 mg/m³ for exposure by inhalation and 4,8 mg/kg/day for dermal exposure.</p> <p>2. Shall not be manufactured, or used, as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manufacturers and downstream users take the appropriate risk management measures and provide the appropriate operational conditions to ensure that exposure of workers is below the DNELs specified in paragraph 1.</p> <p>3. By way of derogation from paragraphs 1 and 2, the obligations laid down therein shall apply from 9 May 2024 in relation to placing on the market for use, or use, as a solvent or reactant in the process of coating wires.</p>

<p>Column 1 第一栏</p> <p>Designation of the substance, of the group of substances or of the mixture</p> <p>物质名称、物质组名称或混合物名称</p>	<p>Column 2 第二栏</p> <p>Conditions of restriction</p> <p>限制条件</p>
	<ol style="list-style-type: none"> 1. 在 2020 年 5 月 9 日后, 该物质本身及含该物质浓度$\geq 0.3\%$的混合物不得投放市场, 除非制造商、进口商和下游用户已将对工人暴露的衍生的无效应水平 (DNELs) (其中吸入暴露 14.4 mg/m³, 皮肤暴露 4.8 mg/kg/天) 列入相关化学安全报告 (CSR) 和安全数据表 (SDS) 中。 2. 在 2020 年 5 月 9 日后, 不得制造、使用该物质本身或含该物质浓度$\geq 0.3\%$的混合物, 除非制造商和下游用户采取了合适的风险管理措施, 并提供了能确保工人的暴露低于第 1 段中规定的 DNELs 的合适的操作环境。 3. 作为豁免, 第 1 段和第 2 段中提及的责任应从 2024 年 5 月 9 日起适用于投放市场用作, 或直接作为供电线涂装过程中作为溶剂或反应物的使用。
<p>72. The substances listed in column 1 of the Table in Appendix 12</p> <p>附录 12 表格第一栏所列物质</p>	<ol style="list-style-type: none"> 1. Shall not be placed on the market after 1 November 2020 in any of the following: <ol style="list-style-type: none"> (a) clothing or related accessories; (b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing; (c) footwear; <p>if the clothing, related accessory, textile other than clothing or footwear is for use by consumers and the substance is present in a concentration, measured in homogeneous material, equal to or greater than that specified for that substance in Appendix 12.</p> 2. By way of derogation, in relation to the placing on the market of formaldehyde [CAS No 50-00-0] in jackets, coats or upholstery, the relevant concentration for the purposes of paragraph 1 shall be 300 mg/kg during the period between 1 November 2020 and 1 November 2023. The concentration specified in Appendix 12 shall apply thereafter. 3. Paragraph 1 shall not apply to:

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	<p>(a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide;</p> <p>(b) non-textile fasteners and non-textile decorative attachments;</p> <p>(c) second-hand clothing, related accessories, textiles other than clothing or footwear</p> <p>(d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners.</p> <p>4. Paragraph 1 shall not apply to clothing, related accessories, textiles other than clothing, or footwear within the scope of Regulation (EU) 2016/425 of the European Parliament and of the Council or Regulation (EU) 2017/745 of the European Parliament and of the Council.</p> <p>5. Paragraph 1(b) shall not apply to disposable textiles. ‘Disposable textiles’ means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar purpose.</p> <p>6. Paragraphs 1 and 2 shall apply without prejudice to the application of any stricter restrictions set out in this Annex or in other applicable Union legislation.</p> <p>7. The Commission shall review the exemption in paragraph 3(d) and, if appropriate, modify that point accordingly.</p> <p>1. 在 2020 年 11 月 1 日后, 以下产品不得投放市场:</p> <p>(a) 服装或相关配件;</p> <p>(b) 除服装外的纺织品, 在正常或合理的可预见使用条件下, 与人体皮肤发生接触且程度与服装相似;</p> <p>(c) 鞋类;</p> <p>如果服装、相关配件、除服装外的纺织品或鞋类是供消费者使用, 且均质材料中的物质浓度, 等于或超过附录 12 中规定的该物质的浓度。</p> <p>2. 作为豁免, 在 2020 年 11 月 1 日到 2023 年 11 月 1 日期间, 投放市场的夹克、外套或室内装饰品中的甲醛 (CAS 号: 50-00-0), 第 1 条所描述的相关浓度应为 300mg/kg。附录 12 规定的浓度应在此后适用。</p>

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	<p>3. 第 1 条不适用于:</p> <p>(a) 仅由天然皮革、皮毛、或兽皮制成的服装、相关配件或鞋类, 或者服装、相关配件及鞋类的部件;</p> <p>(b) 非纺织紧固件和非纺织装饰配件;</p> <p>(c) 二手的服装、相关配件、除服装外的纺织品或鞋类;</p> <p>(d) 室内使用的满铺地毯和纺织类地毯覆盖物, 小地毯, 长条地毯。</p> <p>4. 第 1 条不适用于欧盟法规 (EU) 2016/425 及 (EU) 2017/745 管控内的服装、相关配件、除服装外的纺织品或鞋类。</p> <p>5. 第 1 (b) 款不适用于一次性纺织品。“一次性纺织品”是指设计为仅使用一次或有限次数, 且后续不用于相同或相似目的的纺织品。</p> <p>6. 第 1 条和第 2 条的实施, 应不影响本附件或其他联盟立法中更为严格的限制条款的实施。</p> <p>7. 委员会应再次审查第 3(d)款中的豁免, 必要时会作相应修订。</p>
<p>73. (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol</p> <p>Any of its mono-, di- or tri-O-(alkyl) derivatives (TDFAs)</p> <p>(3,3,4,4,5,5,6,6,7,7,8,8,8-十三氟辛基)硅烷三醇及其一取代、二取代或三取代-氧-烷基衍生物 (TDFAs)</p>	<p>1. Shall not be placed on the market for supply to the general public after 2 January 2021 individually or in any combination, in a concentration equal to or greater than 2 ppb by weight of the mixtures containing organic solvents, in spray products.</p> <p>2. For the purpose of this entry, “spray products” means aerosol dispensers, pump sprays, trigger sprays, marketed for proofing or impregnation spray applications.</p> <p>3. Without prejudice to the implementation of other Union provisions concerning the classification, packaging and labelling of substances and mixtures, the packaging of spray products containing (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol and/or TDFAs combined with organic solvents as referred to in paragraph 1 and placed on the market for professional use shall be marked clearly and indelibly: “for professional users only” and “Fatal if inhaled” with the pictogram GHS06.</p> <p>4. Section 2.3 of Safety Data Sheets shall contain the following information: “mixtures of (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol and/or any of its mono-, di- or tri-O-(alkyl) derivatives in a concentration equal to or</p>

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	<p>greater than 2 ppb and organic solvents in spray products, are for professional users only and marked 'Fatal if inhaled' " .</p> <p>5. Organic solvents referred to in paragraph 1, 3, and 4 include organic solvents used as aerosol propellants.</p> <p>1. 2021年1月2日后, 喷雾产品不得单独或以任意组合形式投放市场供应给普通公众, 如在含有有机溶剂的混合物中, 该物质含量等于或超过2ppb(以重量计)。</p> <p>2. 该条款中, “喷雾产品”指气溶胶喷雾器, 喷雾泵, 触发式喷雾器, 用于防护或浸渍的喷雾应用。</p> <p>3. 为不妨碍实施其他欧盟关于物质和混合物的分类, 包装和标签的规定, 含有(3,3,4,4,5,5,6,6,7,7,8,8,8-十三氟辛基)硅烷三醇和/或TDFAs与第1段所述有机溶剂混合的喷雾产品, 投放市场以供专业使用, 其包装应清楚且不可磨灭地标注: “仅限专业人员使用”和“吸入致死”以及象形图GHS06。</p> <p>4. 安全数据表的第2.3节应该包含如下信息: “对于喷雾产品, 含量等于或超过2ppb的(3,3,4,4,5,5,6,6,7,7,8,8,8-十三氟辛基)硅烷三醇和/或其取代、二取代或三取代-氧-烷基衍生物(TDFAs), 与有机溶剂的混合物, 仅限专业人员使用, 并标注‘吸入致死’”。</p> <p>5. 第1, 3, 4段所述有机溶剂, 包括用作气雾喷射剂的有机溶剂。</p>
<p>74. Diisocyanates, $O = C = N - R - N = C = O$, with R an aliphatic or aromatic hydrocarbon unit of unspecified length 二异氰酸酯, $O = C = N - R - N = C = O$, R为未指定长度的脂族或芳族烃单元</p>	<p>1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:</p> <p>(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or</p> <p>(b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).</p> <p>2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:</p> <p>(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or</p>

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	<p>(b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use" .</p> <p>3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks</p> <p>4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:</p> <p>(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).</p> <p>(b) the training elements in points (a) and (b) of paragraph 5 for the following uses:</p> <ul style="list-style-type: none"> — handling open mixtures at ambient temperature (including foam tunnels); — spraying in a ventilated booth; — application by roller; — application by brush; — application by dipping and pouring; — mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore; — cleaning and waste; — any other uses with similar exposure through the dermal and/or inhalation route;

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	<p>(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:</p> <ul style="list-style-type: none"> — handling incompletely cured articles (e.g. freshly cured, still warm); — foundry applications; — maintenance and repair that needs access to equipment; — open handling of warm or hot formulations (> 45 °C); — spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers); — and any other uses with similar exposure through the dermal and/or inhalation route. <p>5. Training elements:</p> <p>(a) general training, including on-line training, on:</p> <ul style="list-style-type: none"> — chemistry of diisocyanates; — toxicity hazards (including acute toxicity); — exposure to diisocyanates; — occupational exposure limit values; — how sensitisation can develop; — odour as indication of hazard; — importance of volatility for risk; — viscosity, temperature, and molecular weight of diisocyanates; — personal hygiene; — personal protective equipment needed, including practical instructions for its correct use and its limitations; — risk of dermal contact and inhalation exposure;

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	<ul style="list-style-type: none"> — risk in relation to application process used; — skin and inhalation protection scheme; — ventilation; — cleaning, leakages, maintenance; — discarding empty packaging; — protection of bystanders; — identification of critical handling stages; — specific national code systems (if applicable); — behaviour-based safety; — certification or documented proof that training has been successfully completed <p>(b) intermediate level training, including on-line training, on:</p> <ul style="list-style-type: none"> — additional behaviour-based aspects; — maintenance; — management of change; — evaluation of existing safety instructions; — risk in relation to application process used; — certification or documented proof that training has been successfully completed <p>(c) advanced training, including on-line training, on:</p> <ul style="list-style-type: none"> — any additional certification needed for the specific uses covered; — spraying outside a spraying booth; — open handling of hot or warm formulations (> 45 °C); — certification or documented proof that training has been successfully completed

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	<p>6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.</p> <p>7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.</p> <p>8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.</p> <p>9. Member States shall include in their reports pursuant to Article 117(1) the following information:</p> <ul style="list-style-type: none"> (a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law; (b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates; (c) national exposure limits for diisocyanates, if there are any; (d) information about enforcement activities related to this restriction. <p>10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.'</p> <p>1. 2023年8月24日后, 不得作为物质、物质组分或工业和专业用途的混合物组分使用, 除非:</p> <ul style="list-style-type: none"> (a) 二异氰酸酯单独或组合的浓度小于0.1% (按重量计), 或 (b) 雇主或个体经营者确保工业或专业用户在使用该物质或混合物之前已成功完成二异氰酸酯的安全使用培训。

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	<p>2. 2022年2月24日后,不得作为物质、物质组分或工业和专业用途的混合物组分投放市场,除非:</p> <p>(a) 二异氰酸酯单独或组合的浓度小于0.1% (按重量计), 或</p> <p>(b) 供应商应确保向该物质或混合物的接收者提供第1条(b)项所述要求的信息,并在包装上以明显不同于其他标签信息的方式提供声明:“从2023年8月24日起,在工业或专业用户使用之前,需要进行充分的培训”。</p> <p>3. 就本条目而言,“工业和专业用户”是指任何处理或监督处理二异氰酸酯(包括物质本身,及作为其他物质组分或工业和专业用途的混合物组分的二异氰酸酯)的工人或自雇工人。</p> <p>4. 第1条(b)项中提到的培训应包括在工作场所控制皮肤和吸入二异氰酸酯接触的说明,但不影响任何国家的职业接触限值或国家一级的其他适当风险管理措施。此类培训应由职业安全与卫生专家进行,并具有通过相关职业培训获得的能力。该培训至少应包括:</p> <p>(a) 所有工业和专业用途应进行第5条(a)中的培训内容。</p> <p>(b) 以下用途应进行第5条(a)和(b)的培训内容:</p> <ul style="list-style-type: none"> — 在环境温度下处理开放的混合物(包括泡沫通道); — 在通风的棚内喷涂; — 辊涂; — 刷涂; — 通过浸渍和浇注的方法; — 对不再加热的未完全固化的物品进行机械后处理(例如切割); — 清洁和报废; — 与通过皮肤和/或吸入途径具有类似暴露的任何其他用途; <p>(c) 以下用途应进行第5条(a),(b)和(c)的培训内容:</p> <ul style="list-style-type: none"> — 处理未完全固化的物品(例如,刚固化但仍较热的物品); — 铸造应用;

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	<ul style="list-style-type: none"> — 需要使用设备的维护和修理; — 公开处理热或热制剂 (> 45°C); — 在露天环境, 即有限通风或仅自然通风的情况下进行的喷涂 (包括大型工业车间), 以及高能喷涂 (例如泡沫, 弹性体); <p>5. 以及通过皮肤和/或吸入途径具有类似暴露的任何其他用途。培训内容:</p> <p>(a) 关于以下方面的一般培训, 包括在线培训:</p> <ul style="list-style-type: none"> — 二异氰酸酯的化学性; — 毒性危害 (包括急性毒性); — 二异氰酸酯暴露场景; — 职业暴露极限值; — 敏化如何发展; — 气味作为危害的标志; — 波动对风险的重要性; — 二异氰酸酯的粘度, 温度和分子量; — 个人卫生; — 所需的个人防护设备, 包括正确使用和限制的实用说明; — 皮肤接触和吸入暴露的危险; — 与所使用的申请程序有关的风险; — 皮肤和吸入保护方案; — 通风; — 清洁, 泄漏, 维护; — 丢弃空包装;

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	<ul style="list-style-type: none"> — 保护旁观者; — 确定关键的处理阶段; — 特定的国家法规系统 (如适用); — 基于行为的安全性; — 培训已成功完成的证明或书面证明; <p>(b) 关于以下方面的中级培训, 包括在线培训:</p> <ul style="list-style-type: none"> — 基于行为的其他方面; — 保养; — 变更管理; — 对现有安全说明的评估; — 与所使用的申请程序有关的风险; — 培训已成功完成的证明或书面证明; <p>(c) 有关以下方面的高级培训, 包括在线培训:</p> <ul style="list-style-type: none"> — 涵盖的特定用途所需的任何其他证明; — 在喷涂间外喷涂; — 公开处理热或热制剂 (> 45°C); — 培训已成功完成的证明或书面证明; <p>6. 培训应符合工业或专业用户经营所在成员国制定的规定。只要满足第 4 和第 5 条中规定的最低要求, 成员国可以实施或继续适用其本国对物质或混合物的使用要求。</p> <p>7. 第 2 条 (b) 项所述的供应商应确保向采购其物质或混合物的接收者提供成员国官方语言的第 4 条和第 5 条涉及的培训材料和课程。培训应考虑所供产品的特殊性, 包括成分, 包装和设计。</p> <p>8. 工人或自雇工人应记录成功完成第 4 和第 5 条所述培训的情况。培训应至少每五年更新一次。</p>

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	<p>9. 成员国应在根据第 117 条第 (1) 款提交的报告中包括以下信息:</p> <p>(a) 国家法律中规定的与二异氰酸酯的工业和专业用途有关的任何既定培训要求和其他风险管理措施;</p> <p>(b) 与二异氰酸酯有关的已报告及认可的职业性哮喘, 职业性呼吸系统及皮肤疾病的个案数目;</p> <p>(c) 二异氰酸酯的国家暴露限制 (如果有);</p> <p>(d) 与此限制有关的执法活动的信息。</p> <p>10. 该限制应在不影响联盟其他有关保护工作场所工人安全与健康的法规的情况下适用。</p>
<p>75. Substances falling within one or more of the following points:</p> <p>符合以下一项或多项要求的物质:</p> <p>(a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008:</p> <p>属于欧盟 CLP 法规((EC) No 1272/2008) 附件 VI 第 3 部分以下任一分类的物质:</p> <ul style="list-style-type: none"> — carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, but excluding any such substances classified due to effects only following exposure by inhalation — 第 1A, 1B 或 2 类致癌性, 或第 1A, 1B 或 2 类致基因突变性, 且不包括仅因 	<p>1. Shall not be placed on the market in mixtures for use for tattooing purposes, and mixtures containing any such substances shall not be used for tattooing purposes, after 4 January 2022 if the substance or substances in question is or are present in the following circumstances:</p> <p>(a) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;</p> <p>(b) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as reproductive toxicant category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;</p> <p>(c) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin sensitiser category 1, 1A or 1B, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;</p> <p>(d) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2, or as serious eye damage category 1 or eye irritant category 2, the substance is present in the mixture in a concentration equal to or greater than:</p> <ul style="list-style-type: none"> (i) 0,1 % by weight, if the substance is used solely as a pH regulator;

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<p>吸入影响而归为此类的物质</p> <p>— reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation 第 1A, 1B 或 2 类致生殖毒性, 且不包括仅因吸入影响而归为此类的物质</p> <p>— skin sensitiser category 1, 1A or 1B 第 1, 1A 或 1B 类皮肤致敏性</p> <p>— skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2 第 1, 1A, 1B 或 1C 类皮肤腐蚀性或第 2 类皮肤刺激性</p> <p>— serious eye damage category 1 or eye irritant category 2 第 1 类严重眼损伤性或第 2 类眼刺激性</p> <p>(b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council (*1)</p>	<p>(ii) 0,01 % by weight, in all other cases;</p> <p>(e) in the case of a substance listed in Annex II to Regulation (EC) No 1223/2009 (*1), the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;</p> <p>(f) in the case of a substance for which a condition of one or more of the following kinds is specified in column g (Product type, Body parts) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight:</p> <p>(i) "Rinse-off products" ;</p> <p>(ii) "Not to be used in products applied on mucous membranes" ;</p> <p>(iii) "Not to be used in eye products" ;</p> <p>(g) in the case of a substance for which a condition is specified in column h (Maximum concentration in ready for use preparation) or column i (Other) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration, or in some other way, that does not accord with the condition specified in that column;</p> <p>(h) in the case of a substance listed in Appendix 13 to this Annex, the substance is present in the mixture in a concentration equal to or greater than the concentration limit specified for that substance in that Appendix.</p> <p>2. For the purposes of this entry use of a mixture "for tattooing purposes" means injection or introduction of the mixture into a person' s skin, mucous membrane or eyeball, by any process or procedure (including procedures commonly referred to as permanent make-up, cosmetic tattooing, micro-blading and micro-pigmentation), with the aim of making a mark or design on his or her body.</p> <p>3. If a substance not listed in Appendix 13 falls within more than one of points (a) to (g) of paragraph 1, the strictest concentration limit laid down in the points in question shall apply to that substance. If a substance listed in</p>

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<p>欧盟化妆品法规((EC) No 1223/2009)附件 II 中所列物质</p> <p>(c) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex</p> <p>欧盟化妆品法规((EC) No 1223/2009)附件 IV 表格所列符合 g,h 和 i 列中任一条件的物质</p> <p>(d) substances listed in Appendix 13 to this Annex.</p> <p>此附件的附录 13 所列物质</p> <p>The ancillary requirements in paragraphs 7 and 8 of column 2 of this entry apply to all mixtures for use for tattooing purposes, whether or not they contain a substance falling within points (a) to (d) of this column of this entry.</p> <p>本项第二栏第 7 和第 8 段的附加要求适用于纹身用途的所有混合物, 无论其是否含有本项第一栏 (a) - (d) 条的物质。</p>	<p>Appendix 13 also falls within one or more of points (a) to (g) of paragraph 1, the concentration limit laid down in point (h) of paragraph 1 shall apply to that substance.</p> <p>4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:</p> <p>(a) Pigment Blue 15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8);</p> <p>(b) Pigment Green 7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6).</p> <p>5. If Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 to classify or re-classify a substance such that the substance then becomes caught by point (a), (b), (c) or (d) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the date of application of that new or revised classification is after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect on the date of application of that new or revised classification.</p> <p>6. If Annex II or Annex IV to Regulation (EC) No 1223/2009 is amended after 4 January 2021 to list or change the listing of a substance such that the substance then becomes caught by point (e), (f) or (g) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the amendment takes effect after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect from the date falling 18 months after entry into force of the act by which that amendment was made.</p> <p>7. Suppliers placing a mixture on the market for use for tattooing purposes shall ensure that, after 4 January 2022, the mixture is marked with the following information:</p> <p>(a) the statement "Mixture for use in tattoos or permanent make-up" ;</p> <p>(b) a reference number to uniquely identify the batch;</p> <p>(c) the list of ingredients in accordance with the nomenclature established in the glossary of common ingredient</p>

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	<p>names pursuant to Article 33 of Regulation (EC) No 1223/2009, or in the absence of a common ingredient name, the IUPAC name. In the absence of a common ingredient name or IUPAC name, the CAS and EC number. Ingredients shall be listed in descending order by weight or volume of the ingredients at the time of formulation. "Ingredient" means any substance added during the process of formulation and present in the mixture for use for tattooing purposes. Impurities shall not be regarded as ingredients. If the name of a substance, used as ingredient within the meaning of this entry, is already required to be stated on the label in accordance with Regulation (EC) No 1272/2008, that ingredient does not need to be marked in accordance with this Regulation;</p> <ul style="list-style-type: none"> (d) the additional statement "pH regulator" for substances falling under point (d)(i) of paragraph 1; (e) the statement "Contains nickel. Can cause allergic reactions." if the mixture contains nickel below the concentration limit specified in Appendix 13; (f) the statement "Contains chromium (VI). Can cause allergic reactions." if the mixture contains chromium (VI) below the concentration limit specified in Appendix 13; (g) safety instructions for use insofar as they are not already required to be stated on the label by Regulation (EC) No 1272/2008. <p>The information shall be clearly visible, easily legible and marked in a way that is indelible.</p> <p>The information shall be written in the official language(s) of the Member State(s) where the mixture is placed on the market, unless the Member State(s) concerned provide(s) otherwise.</p> <p>Where necessary because of the size of the package, the information listed in the first subparagraph, except for point (a), shall be included instead in the instructions for use.</p>

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	<p>Before using a mixture for tattooing purposes, the person using the mixture shall provide the person undergoing the procedure with the information marked on the package or included in the instructions for use pursuant to this paragraph.</p> <p>8. Mixtures that do not contain the statement “Mixture for use in tattoos or permanent make-up” shall not be used for tattooing purposes.</p> <p>9. This entry does not apply to substances that are gases at temperature of 20 °C and pressure of 101,3 kPa, or generate a vapour pressure of more than 300 kPa at temperature of 50 °C, with the exception of formaldehyde (CAS No 50-00-0, EC No 200-001-8).</p> <p>10. This entry does not apply to the placing on the market of a mixture for use for tattooing purposes, or to the use of a mixture for tattooing purposes, when placed on the market exclusively as a medical device or an accessory to a medical device, within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or an accessory to a medical device, within the same meaning. Where the placing on the market or use may not be exclusively as a medical device or an accessory to a medical device, the requirements of Regulation (EU) 2017/745 and of this Regulation shall apply cumulatively.</p> <p>1. 2022年1月4日起，用于纹身用途的混合物如含有此项物质且符合以下情况则不得投放市场，含有此项物质且符合以下情况的混合物不得用于纹身用途：</p> <p>(a) 欧盟 CLP 法规 ((EC) No 1272/2008) 附件 VI 第 3 部分中分类为第 1A, 1B 或 2 类的致癌物质，或第 1A, 1B 或 2 类的致基因突变物质，且在混合物中浓度大于等于 0.00005% (按重量计)；</p> <p>(b) 欧盟 CLP 法规 ((EC) No 1272/2008) 附件 VI 第 3 部分中分类为第 1A, 1B 或 2 类的生殖毒性物质，且在混合物中浓度大于等于 0.001% (按重量计)；</p> <p>(c) 欧盟 CLP 法规 ((EC) No 1272/2008) 附件 VI 第 3 部分中分类为第 1, 1A 或 1B 类的皮肤致敏性物质，且在混合物中</p>

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	<p>浓度大于等于 0.001% (按重量计);</p> <p>(d) 欧盟 CLP 法规 ((EC) No 1272/2008) 附件 VI 第 3 部分中分类为第 1, 1A, 1B 或 1C 类的皮肤腐蚀性物质, 或第 2 类的皮肤刺激性物质, 或第 1 类严重眼损伤性物质, 或第 2 类眼刺激性物质, 且在混合物中浓度大于等于:</p> <p>(i) 0.1% (按重量计), 物质仅用作 PH 调节剂;</p> <p>(ii) 0.01% (按重量计), 物质用作其他用途;</p> <p>(e) 欧盟化妆品法规 ((EC) No 1223/2009) 附件 II 中所列物质, 且在混合物中浓度大于等于 0.00005% (按重量计);</p> <p>(f) 属于欧盟化妆品法规 ((EC) No 1223/2009) 附件 IV 表格 g 列 (产品类型, 身体部位) 所述以下一种或多种情况的物质, 在混合物中质量分数大于或等于 0.00005%:</p> <p>(i) 水洗式产品;</p> <p>(ii) 不会用于作用于粘膜的产品;</p> <p>(iii) 不会用于眼部的产品;</p> <p>(g) 欧盟化妆品法规 ((EC) No 1223/2009) 附件 IV 表格 h 列 (允许使用的最大浓度) 或 i 列 (其他) 规定了相关条件的物质, 但在混合物中质量分数或其他条件未能满足相关要求;</p> <p>(h) 此附件的附录 13 所列物质, 在混合物中质量分数大于或等于规定的限值;</p> <p>2. 本项限制中“用于纹身用途”的混合物, 指以在身体上做标记或做设计为目的, 经任意过程或步骤 (包括永久化妆、纹身、纹眉、纹发等) 将混合物注射或引入人的皮肤、粘膜或眼球。</p> <p>3. 未列入附录 13 但属于第 1 段 (a) -(g)所述一种或一种以上情况的物质, 应以最严格的限值为准; 同时属于附录 13 和第 1 段的 (a) -(g)所述情况的物质, 则参照第 1 段的第 (h) 条所述限值。</p> <p>4. 作为豁免, 2023 年 1 月 4 日前, 第 1 段不适用于以下物质:</p> <p>(a) 颜料蓝 15:3 (CI 74160, EC 号: 205-685-1, CAS 号: 147-14-8)</p> <p>(b) 颜料绿 7 (CI 74260, EC 号: 215-524-7, CAS 号: 1328-53-6)</p>

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	<p>5. 若欧盟 CLP 法规 ((EC) No 1272/2008) 附件 VI 第 3 部分于 2021 年 1 月 4 日后被修订, 被新归类为或被重新分类后的物质属于本条款第 1 段(a)、(b)、(c)或(d)条所述情况, 或者仍属于本条款第 1 段(a)、(b)、(c)或(d)条所述情况但与之前的分类方式不同, 且新的或者修订后的分类适用日期在本条款第 1 段或第 4 段所述日期之后, 则本项限制于新的或修订后的分类适用日期起对该物质生效。</p> <p>6. 若欧盟化妆品法规 ((EC) No 1223/2009) 附件 II 或附件 IV 中于 2021 年 1 月 4 日后被修订, 被新列入附件或附件修订后的物质属于第 1 段(e)、(f)或(g)条所述情况, 或者仍属于本条款第 1 段(e)、(f)或(g)条所述情况但与之前的分类方式不同, 且相关修订生效日期在第 1 段或第 4 段所述日期之后, 则本项限制将于修订生效 18 个月后适用于该物质。</p> <p>7. 于 2022 年 1 月 4 日后用于纹身用途的混合物投放市场时, 供应商须标注以下信息:</p> <ul style="list-style-type: none"> (a) 声明“用于纹身或永久化妆的混合物”; (b) 区别批次的批号; (c) 基于欧盟化妆品法规 ((EC) No 1223/2009) 第 33 条通用成分名称词汇表确立的成分清单; 如在通用成分名称查询不到的情况下, 应填写 IUPAC 名称; 如在通用成分名称和 IUPAC 都查询不到的情况下, 应填写成分的 CAS 号和 EC 号。成分应按照配方中的质量或体积降序列出。“成分”指在配制过程中添加并存在于混合物中用于纹身用途的任何物质。杂质不应被视为成分。如果本项限制范围内用作成分的物质名称, 已被要求根据欧盟 CLP 法规 ((EC) No 1272/2008) 在标签中列明, 则无需按照本法规要求对该成分进行标记; (d) 第 1 段(d)(i)条所述物质, 需额外声明“PH 调节剂”; (e) 如混合物中含镍, 且浓度低于附录 13 规定的浓度限值, 需声明“含镍。可能导致过敏反应。”; (f) 如混合物中含六价铬, 且浓度低于附录 13 规定的浓度限值, 需声明“含六价铬。可能导致过敏反应。”; (g) 欧盟 CLP 法规 ((EC) No 1272/2008) 未要求在标签中体现安全说明的, 需要标注安全适用说明。 <p>以上信息应清晰可见, 易于辨认并以不可磨灭的方式标记。</p> <p>以上信息应以混合物投放市场时所在成员国的官方语言书写, 除非相关成员国另有规定。</p> <p>如因包装尺寸受限以上信息无法全部体现, 本条第一小节中所列信息 ((a) 点除外) 可在使用说明书中体现。</p>

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	<p>将混合物用于纹身前，使用者应向接受者提供本段所述包装标签或说明书上的信息。</p> <p>8. 未声明“用于纹身或永久化妆的混合物”的混合物不得用于纹身用途。</p> <p>9. 该项限制不适用于在温度为 20°C 且压力为 101.3 kPa 的条件下为气体，或在 50°C 的温度下产生超过 300 kPa 蒸气压的物质，甲醛(CAS 号：50-00-0, EC 号：200-001-8)除外。</p> <p>10. 当用于纹身用途的混合物仅作为欧盟医疗器械法规 ((EU) 2017/745) 范围内的医疗器械或医疗器械配件投放市场或使用时，该条款不适用。如用于纹身用途的混合物非仅用作欧盟医疗器械法规 ((EU) 2017/745) 范围内的医疗器械或医疗器械配件，则应同时符合欧盟医疗器械法规 ((EU) 2017/745) 和本法规的要求。</p>
76. N,N-dimethylformamide N,N-二甲基甲酰胺 CAS 号 68-12-2 EC 号 200-679-5	<ol style="list-style-type: none"> Shall not be placed on the market as a substance on its own, as a constituent of other substances, or in mixtures in a concentration equal to or greater than 0,3 % after 12 December 2023 unless manufacturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, Derived No-Effect Levels (DNELs) relating to exposure of workers of 6 mg/m³ for exposure by inhalation and 1,1 mg/kg/day for dermal exposure. Shall not be manufactured, or used, as a substance on its own, as a constituent of other substances, or in mixtures in a concentration equal to or greater than 0,3 % after 12 December 2023 unless manufacturers and downstream users take the appropriate risk management measures and provide the appropriate operational conditions to ensure that exposure of workers is below the DNELs specified in paragraph 1. By way of derogation from paragraphs 1 and 2, the obligations laid down therein shall apply from 12 December 2024 in relation to placing on the market for use, or use, as a solvent in direct or transfer polyurethane coating processes of textiles and paper material or the production of polyurethane membranes, and from 12 December 2025 in relation to placing on the market for use, or use, as a solvent in the dry and wet spinning processes of synthetic fibres.'

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	<ol style="list-style-type: none"> 2023 年 12 月 12 日后, 不得将该物质本身及含该物质浓度$\geq 0.3\%$的物质或混合物投放市场, 除非制造商、进口商和下游用户已将对工人暴露的衍生的无效应水平 (DNELs) (其中吸入暴露 6 mg/m³, 皮肤暴露 1.1 mg/kg/天) 列入相关化学安全报告 (CSR) 和安全数据表 (SDS) 中。 2023 年 12 月 12 日后, 不得制造、使用该物质本身或含该物质浓度$\geq 0.3\%$的物质或混合物, 除非制造商和下游用户采取了合适的风险管理措施, 并提供了能确保工人的暴露低于第 1 段中规定的 DNELs 的合适的操作环境。 作为豁免, 如该物质作为用于纺织品或纸张材料中直接或转移聚氨酯涂层工艺或生产聚氨酯膜的溶剂投放市场, 第 1 段和第 2 段中提及的责任应自 2024 年 12 月 12 日起适用; 如该物质作为用于合成纤维的干法和湿法纺丝工艺的溶剂投放市场, 第 1 段和第 2 段中提及的责任应自 2025 年 12 月 12 日起适用。
77. Formaldehyde 甲醛 CAS No 50-00-0 EC No 200-001-8 and formaldehyde-releasing substances 和甲醛释放物质	<ol style="list-style-type: none"> Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds: <ol style="list-style-type: none"> 0,062 mg/m³ for furniture and wood-based articles; 0,080 mg/m³ for articles other than furniture and wood-based articles. The first subparagraph shall not apply to: <ol style="list-style-type: none"> articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced; articles that are exclusively for outdoor use under foreseeable conditions; articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air; articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use; articles for which the restriction laid down in entry 72 applies;

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	<p>(f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council (*1);</p> <p>(g) devices within the scope of Regulation (EU) 2017/745;</p> <p>(h) personal protective equipment within the scope of Regulation (EU) 2016/425;</p> <p>(i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004;</p> <p>(j) second-hand articles.</p> <p>2. Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0,062 mg/m³. The first subparagraph shall not apply to:</p> <p>(a) road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use;</p> <p>(b) second-hand vehicles.</p> <p>1. 在 2026 年 8 月 6 日之后, 根据附录 14 规定的测试条件, 测得释放的甲醛超过如下浓度的物品将不得投放市场:</p> <p>(a) 木制品和家具中: 0.062 mg/m³;</p> <p>(b) 除木制品和家具以外的其他物品中: 0.080 mg/m³。</p> <p>第 1 小段不适用于:</p> <p>(a) 甲醛或甲醛释放物质仅天然存在于生产该物品的材料中的物品;</p> <p>(b) 在合理可预见的情况下仅供户外使用的物品;</p> <p>(c) 专门用于建筑外壳和防潮层外部且不向室内空气释放甲醛的建筑物品;</p> <p>(d) 专门用于工业或专业用途的物品, 除非其释放的甲醛在可预见的使用情况下导致公众接触;</p>

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	<p>(e) 本附件第 72 项范围内的物品;</p> <p>(f) 属于欧洲议会和欧洲理事会 2012 年 05 月 22 日颁布的法规(EU) 528/2012 范围内的生物杀灭剂的物品;</p> <p>(g) 法规 (EU) 2017/745 范围内的设备;</p> <p>(h) 法规 (EU) 2016/425 范围内的个人防护设备;</p> <p>(i) 法规 (EC) 1935/2004 范围内旨在直接或间接与食品接触的物品;</p> <p>(j) 二手物品。</p> <p>2. 在 2027 年 8 月 6 日之后, 根据附录 14 规定的测试条件, 测得车内的甲醛浓度超过 0.062 mg/m³ 的道路车辆将不得投放市场。</p> <p>第 1 小段不适用于:</p> <p>(a) 专门用于工业或专业用途的道路车辆, 除非这些车辆内部的甲醛浓度在可预见的使用情况下导致公众接触;</p> <p>(b) 二手车。</p>
<p>78. Synthetic polymer microparticles: polymers that are solid and which fulfil both of the following conditions:</p> <p>(a) are contained in particles and constitute at least 1 % by weight of those particles; or build a continuous surface coating on particles;</p> <p>(b) at least 1 % by weight of the particles referred to in point (a) fulfil either of the following conditions:</p> <p>(i) all dimensions of the particles are</p>	<p>1. Shall not be placed on the market as substances on their own or, where the synthetic polymer microparticles are present to confer a sought-after characteristic, in mixtures in a concentration equal to or greater than 0,01 % by weight.</p> <p>2. For the purposes of this entry, the following definitions apply:</p> <p>(a) "particle" means a minute piece of matter, other than single molecules, with defined physical boundaries;</p> <p>(b) "solid" means a substance or mixture other than a liquid or gas;</p> <p>(c) "gas" means a substance or mixture which at 50 °C has a vapour pressure greater than 300 kPa (absolute), or is completely gaseous at 20 °C at a standard pressure of 101,3 kPa;</p> <p>(d) "liquid" means a substance or mixture that meets any of the following conditions:</p>

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<p>equal to or less than 5 mm;</p> <p>(ii) the length of the particles is equal to or less than 15 mm and their length to diameter ratio is greater than 3.</p> <p>The following polymers are excluded from this designation:</p> <p>(a) polymers that are the result of a polymerisation process that has taken place in nature, independently of the process through which they have been extracted, which are not chemically modified substances;</p> <p>(b) polymers that are degradable as proved in accordance with Appendix 15;</p> <p>(c) polymers that have a solubility greater than 2 g/L as proved in accordance with Appendix 16;</p> <p>(d) polymers that do not contain carbon atoms in their chemical structure.</p> <p>合成聚合物微粒:</p>	<p>(i) the substance or mixture at 50 °C has a vapour pressure of not more than 300 kPa, is not completely gaseous at 20 °C and at a standard pressure of 101,3 kPa, and has a melting point or initial melting point of 20 °C or less at a standard pressure of 101,3 kPa;</p> <p>(ii) the substance or mixture fulfils the criteria in the American Society for Testing and Materials (ASTM) D 4359-90 Standard Test Method for Determining Whether a Material Is a Liquid or a Solid;</p> <p>(iii) the substance or mixture passes the fluidity test (penetrometer test) described in chapter 2.3.4 of Part 2 of Annex A to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) concluded at Geneva on 30 September 1957;</p> <p>(e) “make-up product” means any substance or mixture intended to be placed in contact with specific external parts of the human body, namely the epidermis, eye brows and eye lashes, with a view to, exclusively or mainly, changing their appearance;</p> <p>3. Where the concentration of synthetic polymer microparticles covered by this entry cannot be determined by available analytical methods or accompanying documentation, in order to verify the compliance with the concentration limit referred to in paragraph 1, only the particles of at least the following size shall be taken into account:</p> <p>(a) 0,1 µm for any dimension, for particles where all dimensions are equal to or smaller than 5 mm;</p> <p>(b) 0,3 µm in length, for particles that have a length that is equal to or smaller than 15 mm and a length to diameter ratio greater than 3.</p> <p>4. Paragraph 1 shall not apply to the placing on the market of:</p> <p>(a) synthetic polymer microparticles, as substances on their own or in mixtures, for use at industrial sites;</p> <p>(b) medicinal products within the scope of Directive 2001/83/EC and veterinary medicinal products within the scope of Regulation (EU) 2019/6 of the European Parliament and of the Council (*1);</p>

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<p>固体聚合物且同时满足以下两个条件：</p> <p>(a) 包含在颗粒中且至少占这些颗粒重量的 1%；或在颗粒上构建连续的表面涂层；</p> <p>(b) 点(a)中提到的至少占颗粒重量的 1%满足以下任一条件：</p> <p>(i) 颗粒的所有尺寸均等于或小于 5mm；</p> <p>(ii) 颗粒的长度等于或小于 15mm，且其长径比大于 3。</p> <p>以下聚合物不在此指定范围内：</p> <p>(a) 作为自然发生聚合过程产物的聚合物，不依赖提取过程，非化学改性物质；</p> <p>(b) 根据附录 15 证明可降解的聚合物；</p> <p>(c) 根据附录 16 证明溶解度大于 2 g/L 的聚合物；</p> <p>(d) 化学结构中不含碳原子的聚合物。</p>	<p>(c) EU fertilising products within the scope of Regulation (EU) 2019/1009 of the European Parliament and of the Council (*2);</p> <p>(d) food additives within the scope of Regulation (EC) No 1333/2008 of the European Parliament and of the Council (*3);</p> <p>(e) in vitro diagnostic devices, including devices within the scope of Regulation (EU) 2017/746 of the European Parliament and of the Council (*4);</p> <p>(f) food within the meaning of Article 2 of Regulation (EC) No 178/2002, not covered by point (d) of this paragraph, and feed as defined in Article 3(4) of that Regulation.</p> <p>5. Paragraph 1 shall not apply to the placing on the market of the following synthetic polymer microparticles, as substances on their own or in mixtures:</p> <p>(a) synthetic polymer microparticles which are contained by technical means so that releases to the environment are prevented when used in accordance with the instructions for use during the intended end use;</p> <p>(b) synthetic polymer microparticles the physical properties of which are permanently modified during intended end use in such a way that the polymer no longer falls within the scope of this entry;</p> <p>(c) synthetic polymer microparticles which are permanently incorporated into a solid matrix during intended end use.</p> <p>6. Paragraph 1 shall apply as follows regarding the following uses:</p> <p>(a) from 17 October 2029 to synthetic polymer microparticles for use in the encapsulation of fragrances;</p> <p>(b) from 17 October 2027 for “rinse-off products” as defined in point (1)(a) of the Preamble to Annexes II to VI to Regulation (EC) No 1223/2009 unless such products are covered by point (a) of this paragraph or contain synthetic polymer microparticles for use as an abrasive, i.e. namely to exfoliate, polish or clean (“microbeads”);</p>

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	<p>(c) from 17 October 2035 for lip products as defined in point (1)(e) of the Preamble to Annexes II to VI to Regulation (EC) No 1223/2009, nail products as defined in point (1)(g) of the Preamble to Annexes II to VI to that Regulation, and make-up products within the scope of that Regulation, unless such products are covered by points (a) or (b) of this paragraph or contain microbeads;</p> <p>(d) from 17 October 2029 for leave-on products, as defined in point (1)(b) of the Preamble to Annexes II to VI to Regulation (EC) No 1223/2009, unless such products are covered by points (a) or (c) of this paragraph;</p> <p>(e) from 17 October 2028 for detergents, as defined in Article 2(1) of Regulation (EC) No 648/2004, waxes, polishes and air care products, unless those products are covered by point (a) of this paragraph or contain microbeads;</p> <p>(f) from 17 October 2029 for “devices” , within the scope of Regulation (EU) 2017/745 of the European Parliament and of the Council (*5), unless those devices contain microbeads;</p> <p>(g) from 17 October 2028 for “fertilising products” , as defined in Article 2, point (1), of Regulation (EU) 2019/1009, which do not fall within the scope of that Regulation;</p> <p>(h) from 17 October 2031 for plant protection products within the meaning of Article 2(1) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council (*6) and seeds treated with those products, and biocidal products as defined in Article 3(1), point (a), of Regulation (EU) No 528/2012 of the European Parliament and of the Council (*7);</p> <p>(i) from 17 October 2028 for products for agricultural and horticultural uses not covered by points (g) or (h);</p> <p>(j) from 17 October 2031 for granular infill for use on synthetic sports surfaces.</p> <p>7. From 17 October 2025 suppliers of synthetic polymer microparticles referred to in paragraph 4, point (a), shall provide the following information:</p>

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	<p>(a) instructions for use and disposal explaining to industrial downstream users how to prevent releases of synthetic polymer microparticles to the environment;</p> <p>(b) the following statement: "The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council" ;</p> <p>(c) the information on quantity or, as applicable, concentration of synthetic polymer microparticles in the substance or mixture;</p> <p>(d) generic information on the identity of the polymers contained in the substance or mixture that enables manufacturers, industrial downstream users and other suppliers to comply with their obligations laid down in paragraphs 11 and 12.</p> <p>8. From 17 October 2026 suppliers of products containing synthetic polymer microparticles referred to in paragraph 4, point (e), and from 17 October 2025 suppliers of products containing synthetic polymer microparticles referred to in paragraph 4, point (d), and paragraph 5, shall provide instructions for use and disposal explaining to professional users and the general public how to prevent releases of synthetic polymer microparticles to the environment.</p> <p>9. From 17 October 2031 until 16 October 2035 suppliers of products referred to in paragraph 6, point (c), containing synthetic polymer microparticles shall provide the following statement: "This product contains microplastics." However, products placed on the market before 17 October 2031 are not required to bear that statement until 17 December 2031.</p> <p>10. The information referred to in paragraphs 7, 8 and 9 shall be provided in the form of clearly visible, legible and indelible text or, where appropriate regarding the information in paragraphs 7 and 8, in the form of pictograms. The text or pictograms shall be placed on the label, the packaging, or the package leaflet of the products containing synthetic polymer microparticles or, regarding the information in paragraph 7, on the safety data sheet.</p>

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	<p>In addition to the text or pictograms, suppliers may provide a digital tool that gives access to an electronic version of that information.</p> <p>Where instructions for use and disposal are provided in accordance with paragraphs 7, 8 and 9 in the form of a text, they shall be in the official languages of the Member States where the substance or mixture is placed on the market, unless the Member States concerned provide otherwise.</p> <p>11. Starting from 2026 manufacturers and industrial downstream users of synthetic polymer microparticles in the form of pellets, flakes, and powders used as feedstock in plastic manufacturing at industrial sites, and, starting from 2027, other manufacturers of synthetic polymer microparticles and other industrial downstream users using synthetic polymer microparticles at industrial sites shall submit the following information to the Agency by 31 May of each year:</p> <ul style="list-style-type: none"> (a) a description of the uses of synthetic polymer microparticles in the previous calendar year; (b) for each use of synthetic polymer microparticles, generic information on the identity of the polymers used; (c) for each use of synthetic polymer microparticles, an estimate of the quantity of synthetic polymer microparticles released to the environment in the previous calendar year, which shall include also the quantity of synthetic polymer microparticles released to the environment during transportation. (d) for each use of synthetic polymer microparticles, a reference to the derogation laid down in paragraph 4, point (a). <p>12. From 2027, suppliers of products containing synthetic polymer microparticles referred to in paragraphs 4, points (b), (d) and (e), and paragraph 5, placed on the market for the first time to professional users and the general public, shall submit the following information to the Agency by 31 May of each year:</p> <ul style="list-style-type: none"> (a) a description of the end uses for which the synthetic polymer microparticles were placed on the market in the previous calendar year;

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	<p>(b) for each end use for which the synthetic polymer microparticles were placed on the market, generic information on the identity of the polymers placed on the market in the previous calendar year;</p> <p>(c) for each end use for which the synthetic polymer microparticles were placed on the market, an estimate of the quantity of synthetic polymer microparticles released to the environment in the previous calendar year, which shall include also the quantity of synthetic polymer microparticles released to the environment during transportation.</p> <p>(d) for each use of synthetic polymer microparticles, a reference to the applicable derogation or derogations laid down in paragraph 4, point (b), (d) or (e), or 5 point (a), (b) or (c).</p> <p>13. The Agency shall make the information submitted under paragraphs 11 and 12 available to the Member States.</p> <p>14. Manufacturers, importers and industrial downstream users of products containing synthetic polymer microparticles shall provide specific information on the identity of polymers covered by this entry contained in those products and the function of those polymers in the products to competent authorities upon their request. The specific information on the polymer identity shall be sufficient to unequivocally identify polymers and shall at least include the information laid down in points 2.1 to 2.2.3 and points 2.3.5, 2.3.6 and 2.3.7 of Annex VI, where applicable.</p> <p>If the information is not available to industrial downstream users, they shall request it from their supplier within 7 days from the receipt of the request from the competent authorities and shall inform the authorities of the request made without delay.</p> <p>Having received the request referred to in the second subparagraph, the suppliers shall provide the requested information within 30 days to the industrial downstream user or directly to the competent authority requesting it. Where the supplier provides the information to the industrial downstream user, the industrial downstream user shall forward that information to the competent authorities without delay.</p>

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	<p>Where the supplier provides the information directly to the authority, it shall without delay inform the industrial downstream user concerned to that effect.</p> <p>15. Manufacturers, importers and industrial downstream users of products containing polymers claimed to be excluded from the designation of synthetic polymer microparticles on grounds of degradability or solubility shall provide, without delay, information proving that those polymers are degradable in accordance with Appendix 15 or soluble in accordance with Appendix 16, as applicable, to competent authorities upon their request.</p> <p>16. Paragraph 1 shall not apply to placing on the market of synthetic polymers microparticles, on their own or in mixtures, placed on the market before 17 October 2023.</p> <p>However, the first subparagraph shall not apply to the placing on the market of synthetic polymers microparticles for uses listed in paragraph 6.</p> <p>1. 不得以单独物质的形式投放市场，或者当合成聚合物微粒被用于赋予混合物受欢迎的特性，且在混合物中的浓度等于或大于0.01%（以重量计）时不得投放市场。</p> <p>2. 就本条目而言，以下定义适用：</p> <p>(a) “颗粒”是指除单分子之外的具有明确物理边界的微小物质；</p> <p>(b) “固体”是指液体或气体以外的物质或混合物；</p> <p>(c) “气体”是指在50°C时蒸气压大于300 kPa（绝对），或在20°C标准大气压101.3 kPa时完全气化的物质或混合物；</p> <p>(d) “液体”是指满足以下任一条件的物质或混合物：</p> <p>(i) 该物质或混合物在50°C时的蒸气压不超过300 kPa，在20°C标准大气压101.3 kPa时不完全气化，在标准大气压101.3 kPa下的熔点或初始熔点为20°C或更低；</p> <p>(ii) 该物质或混合物符合美国材料与试验协会(ASTM) D 4359-90 确定材料是液体还是固体的标准测试方法中的标准；</p>

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	<p>(iii) 该物质或混合物通过了 1957 年 9 月 30 日在日内瓦缔结的《欧洲国际危险货物公路运输协定》(ADR)附件 A 第 2 部分第 2.3.4 章中所述的流动性测试 (针入度测试);</p> <p>(e) “美妆产品”是指旨在与人体特定外部部分 (即表皮、眉毛和睫毛) 接触的任何物质或混合物, 目的是专门或主要改变其外观;</p> <p>3. 如果本条目涵盖的合成聚合物微粒的浓度无法通过现有的分析方法或随附文件确定, 为了验证是否符合第 1 款中提到的浓度限值, 仅应考虑至少具有以下尺寸的颗粒:</p> <p>(a) 对于所有尺寸等于或小于 5mm 的颗粒, 任意尺寸下限为 0.1μm;</p> <p>(b) 对于长度等于或小于 15mm 且长径比大于 3 的颗粒, 长度下限为 0.3μm。</p> <p>4. 第 1 款不适用于投放市场的:</p> <p>(a) 作为单独物质或用于混合物, 在工业场所使用的合成聚合物微粒;</p> <p>(b) 指令 2001/83/EC 范围内的医药产品以及欧洲议会和理事会法规 (EU) 2019/6 范围内的兽药产品;</p> <p>(c) 欧洲议会和理事会法规(EU) 2019/1009 范围内的欧盟肥料产品;</p> <p>(d) 欧洲议会和理事会(EC) No 1333/2008 法规范围内的食品添加剂;</p> <p>(e) 体外诊断设备, 包括欧洲议会和理事会法规(EU) 2017/746 范围内的设备;</p> <p>(f) 法规(EC) No 178/2002 第 2 条含义内、且本款(d)点未涵盖的食品, 以及该法规第 3(4)条定义的饲料。</p> <p>5. 第 1 款不适用于将以下合成聚合物微粒作为单独物质或混合物投放市场:</p> <p>(a) 通过技术手段, 在预期最终使用过程中按照使用说明使用时可防止释放到环境中的合成聚合物微粒;</p> <p>(b) 物理性质在预期最终使用过程中永久改变, 使得聚合物不再落入本条目范围内的合成聚合物微粒;</p> <p>(c) 在预期最终使用过程中被永久掺入固体基质中的合成聚合物微粒。</p> <p>6. 第 1 款适用于下列用途:</p> <p>(a) 自 2029 年 10 月 17 日起, 适用于用于香料封装的合成聚合物微粒;</p>

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	<p>(b) 自 2027 年 10 月 17 日起, 适用于法规 (EC) No 1223/2009 附件 II 至 VI 序言第(1)(a)点中定义的“洗去类产品”, 除非此类产品属于本款(a)点范围, 或含有的合成聚合物微粒作为磨料使用, 即用于去角质、抛光或清洁 (“微珠”);</p> <p>(c) 自 2035 年 10 月 17 日起, 适用于法规(EC) No 1223/2009 附件 II 至 VI 前言第(1)(e)点定义的唇部产品, 前言第(1)(g)点定义的美甲产品, 以及该法规范围内的美妆产品, 除非此类产品属于本款(a)或(b)点所涵盖的范围或含有微珠;</p> <p>(d) 自 2029 年 10 月 17 日起, 适用于法规(EC) No 1223/2009 附件 II 至 VI 序言第(1)(b)点所定义驻留类产品, 除非此类产品属于本款第(a)或(c)点所涵盖的范围;</p> <p>(e) 自 2028 年 10 月 17 日起, 适用于法规(EC) No 648/2004 第 2(1)条所定义的清洁剂, 蜡、抛光剂和空气护理产品, 除非这些产品属于本款(a)点所涵盖的范围或含有微珠;</p> <p>(f) 自 2029 年 10 月 17 日起, 适用于欧洲议会和理事会法规(EU) 2017/745 范围内的“设备”, 除非这些设备含有微珠;</p> <p>(g) 自 2028 年 10 月 17 日起, 适用于不属于法规(EU) 2019/1009 第 2 条第(1)点定义范围的“肥料产品”;</p> <p>(h) 自 2031 年 10 月 17 日起, 适用于欧洲议会和理事会法规(EC) No 1107/2009 第 2(1)条含义内的植物保护产品, 以及用这些产品处理过的种子, 以及欧洲议会和理事会法规(EU) No 528/2012 第 3(1)条(a)点定义的生物杀灭剂产品;</p> <p>(i) 自 2028 年 10 月 17 日起, 适用于(g)或(h)点未涵盖的农业和园艺用途产品;</p> <p>(j) 自 2031 年 10 月 17 日起, 适用于合成材料运动场地层面上使用的颗粒填充物。</p> <p>7. 自 2025 年 10 月 17 日起, 第 4 款(a)点提到的合成聚合物微粒供应商应提供以下信息:</p> <p>(a) 向工业下游用户解释如何防止合成聚合物微粒释放到环境中的使用和处置说明;</p> <p>(b) 以下声明: “所提供的合成聚合物微粒须符合欧洲议会和理事会法规(EC) No 1907/2006 附件 XVII 第 78 条规定的条件”;</p> <p>(c) 有关物质或混合物中合成聚合物微粒的数量或浓度 (如适用) 的信息;</p> <p>(d) 有关物质或混合物中所含聚合物特性的一般信息, 使制造商、工业下游用户和其他供应商能够履行第 11 和 12 款规定的义务。</p>

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	<p>8. 自 2026 年 10 月 17 日起, 含有第 4 款(e)点所述合成聚合物微粒产品的供应商, 以及自 2025 年 10 月 17 日起, 含有第 4 款(d)点和第 5 款所述合成聚合物微粒产品的供应商, 应提供使用和处置说明, 向专业用户和公众解释如何防止合成聚合物微粒释放到环境中。</p> <p>9. 自 2031 年 10 月 17 日到 2035 年 10 月 16 日, 第 6 款(c)点中提到的含有合成聚合物微粒产品的供应商应提供以下声明: “该产品含有微塑料。” 2031 年 10 月 17 日之前投放市场的产品在 2031 年 12 月 17 日之前无需附有该声明。</p> <p>10. 第 7、8 和 9 款中提及的信息应以清晰可见、易读且不可磨灭的文本形式提供, 或者在适用于第 7 款和第 8 款中的信息时, 以象形图的形式提供。文字或象形图应放置在含有合成聚合物微粒产品的标签、包装或包装说明书上, 或者就第 7 款的信息而言, 应放置在安全数据表上。除了文本或象形图之外, 供应商还可以提供数字工具来访问该信息的电子版。 如果按照第 7、8 和 9 款以文本形式提供使用和处置说明, 则应使用该物质或混合物投放市场的成员国的官方语言, 除非该成员国有关部门另有规定的。</p> <p>11. 自 2026 年开始, 在工业现场使用颗粒、薄片和粉末形式的合成聚合物微粒作为塑料制造原料的制造商和工业下游用户, 以及自 2027 年开始, 其他合成聚合物微粒制造商和其他在工业场所使用合成聚合物微粒的工业下游用户, 应在每年 5 月 31 日之前向管理局提交以下信息:</p> <ul style="list-style-type: none"> (a) 上一日历年合成聚合物微粒用途的描述; (b) 对于合成聚合物微粒的每次使用, 有关所用聚合物特性的一般信息; (c) 对于合成聚合物微粒的每次使用, 估算上一日历年向环境释放的合成聚合物微粒的数量, 其中还应包括运输过程中向环境释放的合成聚合物微粒的数量。 (d) 对于合成聚合物微粒的每次使用, 参考第 4 款(a)点中规定的豁免。 <p>12. 自 2027 年起, 首次向专业用户和公众投放市场的第 4 款 (b)、(d) 和 (e) 点以及第 5 款中提到的含有合成聚合物微粒产品的供应商, 应每年 5 月 31 日之前向管理局提交以下信息:</p> <ul style="list-style-type: none"> (a) 上一日历年合成聚合物微粒投放市场的最终用途的描述; (b) 对于合成聚合物微粒投放市场的每种最终用途, 有关上一日历年投放市场的聚合物特性的一般信息;

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	<p>(c) 对于合成聚合物微粒投放市场的每种最终用途，估算上一日历年释放到环境中的合成聚合物微粒的数量，其中还应包括运输过程中释放到环境中的合成聚合物微粒的数量。</p> <p>(d) 对于合成聚合物微粒的每次使用，提及第 4 款(b)、(d)或(e)点或第 5 款(a)、(b)或(c)点中规定的适用的一项或多项豁免。</p> <p>13. 管理机构应向成员国提供根据第 11 和 12 款提交的信息。</p> <p>14. 含有合成聚合物微粒的产品的制造商、进口商和工业下游用户应主管当局的要求，提供有关这些产品中本条目所涵盖的聚合物的特性以及这些聚合物在产品中的功能的具体信息。有关聚合物特性的具体信息应足以明确识别聚合物，并应至少包括附件 VI 第 2.1 至 2.2.3 点以及第 2.3.5、2.3.6 和 2.3.7 点（如适用）中规定的信息。</p> <p>如果工业下游用户无法获得该信息，他们应在收到主管当局的请求后 7 天内向其供应商索取，并应立即将所提出的请求通知当局。</p> <p>供应商收到上述要求后，应在 30 天内向工业下游用户或直接向提出要求的主管机关提供所要求的信息。</p> <p>供应商向工业下游用户提供信息的，工业下游用户应及时将该信息转发给主管部门。</p> <p>如果供应商直接向主管部门提供信息，则应立即将此信息告知相关工业下游用户。</p> <p>15. 含有声称因可降解性或溶解性而被排除在指定合成聚合物微粒范围之外的聚合物的产品的制造商、进口商和工业下游用户，应立即应主管当局要求，提供信息证明这些聚合物根据附录 15 是可降解的或根据附录 16 是可溶解（如适用）。</p> <p>16. 第 1 款不适用于 2023 年 10 月 17 日之前投放市场的合成聚合物微粒以单独或是混合物的形式投放市场。</p> <p>然而，第一段不适用于第 6 段所列用途的合成聚合物微粒的投放市场。</p>
79. Undecafluorohexanoic acid (PFHxA), its salts and PFHxA-related substances: (a) having a linear or branched perfluoropentyl group with the formula C5F11- directly attached to another	<p>1. Shall not, from 10 October 2026 be placed on the market, or used, in a concentration equal to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of PFHxA-related substances, measured in homogeneous material, in the following:</p> <p>(a) textiles, leather, furs and hides in clothing and related accessories for the general public;</p> <p>(b) footwear for the general public;</p>

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<p>carbon atom as one of the structural elements; or</p> <p>(b) having a linear or branched perfluorohexyl group with the formula C6F13-.</p> <p>The following substances are excluded from this designation:</p> <p>(a) C6F14;</p> <p>(b) C6F13-C(=O)OH, C6F13-C(=O)O-X' or C6F13-CF2-X' (where X' = any group, including salts);</p> <p>(c) any substance having a perfluoroalkyl group C6F13- directly attached to an oxygen atom at one of the non-terminal carbon atoms.</p> <p>全氟己酸 (PFHxA)、其盐类和相关物质</p> <p>(a) 具有分子式为 C5F11- 的直链或支链全氟戊基作为结构元素之一直接连接到另一个碳原子上;或</p> <p>(b) 具有分子式为 C6F13- 的直链或支链全氟己基。</p> <p>以下物质不属于本范围:</p> <p>(a) C6F14;</p>	<p>(c) paper and cardboard used as food contact materials within the scope of Regulation (EC) No 1935/2004;</p> <p>(d) mixtures for the general public;</p> <p>(e) cosmetic products as defined in Article 2(1), point (a), of Regulation (EC) No 1223/2009.</p> <p>2. Shall not, from 10 October 2027 be placed on the market, or used, in a concentration equal to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of PFHxA-related substances, measured in homogeneous material, in textiles, leather, furs and hides, other than in clothing and related accessories referred to in paragraph 1, for the general public.</p> <p>3. Paragraphs 1 and 2 shall not apply to the following:</p> <p>(a) personal protective equipment intended to protect users against risks within the scope of risk category III, points (a), (c) to (f), (h), and (l) of Annex I to Regulation (EU) 2016/425;</p> <p>(b) devices within the scope of Regulation (EU) 2017/745;</p> <p>(c) devices within the scope of Regulation (EU) 2017/746;</p> <p>(d) textiles used as construction textiles.</p> <p>4. Shall not, from 10 April 2026 be placed on the market, or used, in a concentration equal to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of PFHxA-related substances, in:</p> <p>(a) firefighting foams and firefighting foam concentrates for training and for testing, except functional testing of the firefighting systems provided that all releases are contained;</p> <p>(b) firefighting foams and firefighting foam concentrates for public fire services, except where those services intervene at industrial fires at establishments covered by Directive 2012/18/EU of the European Parliament and of the Council (*1) and they use the foams and the equipment for that purpose only.</p>

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
<p>(b) C6F13-C(=O)OH, C6F13-C(=O)O-X'或 C6F13-CF2-X' (其中 X' =任何基团, 包括盐类);</p> <p>(c) 任何具有全氟烷基 C6F13-直接连接到非末端碳原子之一的氧原子的物质。</p>	<p>5. Shall not, from 10 October 2029 be placed on the market, or used, in firefighting foams and firefighting foam concentrates for civil aviation (including in civilian airports) in a concentration equal to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of PFHxA-related substances.</p> <p>6. Paragraphs 1, 2, 4 and 5 shall not apply to substances having a perfluoroalkyl group C6F13- directly attached to a sulphur atom that are prohibited in Annex I to Regulation (EU) 2019/1021 of the European Parliament and of the Council .</p> <p>7. By way of derogation from paragraph 1, that paragraph shall not apply to articles and mixtures which were placed on the market before 10 October 2026.</p> <p>8. By way of derogation from paragraph 2, that paragraph shall not apply to articles which were placed on the market before 10 October 2027.</p> <p>9. For the purposes of this entry, PFHxA-related substances are substances that, based on their molecular structure, are considered to have the potential to degrade or be transformed to PFHxA.</p> <p>1. 自 2026 年 10 月 10 日起, 以下产品的均质材料中 PFHxA 及其盐的总浓度大于或等于 25ppb, 或 PFHxA 相关物质的总浓度大于或等于 1000 ppb, 不得投放市场或使用:</p> <p>(a) 供公众使用服装的纺织品、皮革、毛皮和兽皮及相关配饰;</p> <p>(b) 供公众使用的鞋类;</p> <p>(c) 法规 (EC) No 1935/2004 范围内用作食品接触材料的纸张和纸板;</p> <p>(d) 供公众使用的混合物;</p> <p>(e) 法规 (EC) No 1223/2009 第 2(1)条(a)点定义的化妆品。</p> <p>2. 自 2027 年 10 月 10 日起, 除第 1 段提及的服装和相关配件外, 对于其他供公众使用的纺织品、皮革、毛皮和兽皮中, PFHxA 及其盐总浓度大于或等于 25 ppb, 或 PFHxA 相关物质的总浓度大于或等于 1000 ppb, 则不得投放市场或使用。</p>

Column 1 第一栏 Designation of the substance, of the group of substances or of the mixture 物质名称、物质组名称或混合物名称	Column 2 第二栏 Conditions of restriction 限制条件
	3. 第 1 段和第 2 段不适用于以下情况： (a) 旨在保护用户免受法规 (EU) 2016/425 附件 I 风险类别 III 第(a)、(c)- (f)、(h)及(l)点范围内的个人防护设备； (b) 法规 (EU) 2017/745 范围内的器械； (c) 法规 (EU) 2017/746 范围内的器械； (d) 用于建筑纺织品的纺织品； 4. 自 2026 年 4 月 10 日起，以下产品中 PFHxA 及其盐类的总浓度大于或等于 25 ppb，或 PFHxA 相关物质的总浓度大于或等于 1000 ppb，则不得投放市场或使用： (a) 用于培训和测试的灭火泡沫和灭火泡沫浓缩物，但消防系统的功能测试除外，除非其释放物能被控制； (b) 用于公共消防服务的灭火泡沫和灭火泡沫浓缩物，除非这些服务介入欧洲议会和理事会指令 2012/18/EU 所涵盖场所的工业火灾，并且它们仅将泡沫和设备用于该目的。 5. 自 2029 年 10 月 10 日起，民用航空（包括民用机场）的灭火泡沫和灭火泡沫浓缩物中 PFHxA 及其盐类总和的浓度大于或等于 25 ppb，或 PFHxA 相关物质的总浓度大于或等于 1000 ppb，则不得投放市场或使用。 6. 第 1、2、4 和 5 段不适用于欧洲议会和理事会法规 (EU) 2019/1021 附件 I 中禁止的直接连接到硫原子的具有全氟烷基 C6F13-的物质。 7. 作为对第 1 段的豁免，该段不适用于 2026 年 10 月 10 日之前投放市场的物品和混合物。 8. 作为对第 2 段的豁免，该段不适用于 2027 年 10 月 10 日之前投放市场的物品。 9. 就本条款而言，PFHxA 相关物质是指根据其分子结构被认为具有降解或转化为 PFHxA 的潜力的物质。

附录 12 物质清单

Substances 物质	Index- No	CAS No	EC No	Concentration limit by weight 限值 (以质量计)
Cadmium and its compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6) 镉及其化合物(列于附件 17 第 28,29,30 条, 附录 1-6)	—	—	—	1 mg/kg after extraction (expressed as Cd metal that can be extracted from the material) 1 mg/kg(萃取量, 以 Cd 计)
Chromium VI compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6) Cr(VI)化合物(列于附件 17 第 28,29,30 条, 附录 1-6)	—	—	—	1 mg/kg after extraction (expressed as Cr VI that can be extracted from the material) 1 mg/kg (萃取量, 以 CrVI 计)
Arsenic compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6) 砷化合物(列于附件 17 第 28,29,30 条, 附录 1-6)	—	—	—	1 mg/kg after extraction (expressed as As metal that can be extracted from the material) 1 mg/kg (萃取量, 以 As 计)
Lead and its compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6) 铅及其化合物(列于附件 17 第 28,29,30 条, 附录 1-6)	—	—	—	1 mg/kg after extraction (expressed as Pb metal that can be extracted from the material) 1 mg/kg (萃取量, 以 Pb 计)
Benzene 苯	601-020-00-8	71-43-2	200-753-7	5 mg/kg
Benz[a]anthracene 苯并[a]蒽	601-033-00-9	56-55-3	200-280-6	1 mg/kg
Benz[e]acephenanthrylene 苯并[e]荧蒽	601-034-00-4	205-99-2	205-911-9	1 mg/kg
benzo[a]pyrene; benzo[def]chrysene 苯并[a]芘;苯并[def]屈	601-032-00-3	50-32-8	200-028-5	1 mg/kg
Benzo[e]pyrene	601-049-00-6	192-97-2	205-892-7	1 mg/kg

REACH法规限制物质清单

Substances 物质	Index- No	CAS No	EC No	Concentration limit by weight 限值 (以质量计)
苯并[e]芘				
Benzo[j]fluoranthene 苯并[j]荧蒽	601-035-00-X	205-82-3	205-910-3	1 mg/kg
Benzo[k]fluoranthene 苯并[k]荧蒽	601-036-00-5	207-08-9	205-916-6	1 mg/kg
Chrysene 屈	601-048-00-0	218-01-9	205-923-4	1 mg/kg
Dibenz[a,h]anthracene 二苯并[a, h]蒽	601-041-00-2	53-70-3	200-181-8	1 mg/kg
$\alpha, \alpha, \alpha, 4$ -tetrachlorotoluene; p-chlorobenzotrichloride $\alpha, \alpha, \alpha, 4$ -四氯甲苯; 对氯三氯甲苯	602-093-00-9	5216-25-1	226-009-1	1 mg/kg
α, α, α -trichlorotoluene; benzotrichloride α, α, α -三氯甲苯; 三氯甲苯	602-038-00-9	98-07-7	202-634-5	1 mg/kg
α -chlorotoluene; benzyl chloride α -氯甲苯; 苄氯化物	602-037-00-3	100-44-7	202-853-6	1 mg/kg
Formaldehyde 甲醛	605-001-00-5	50-00-0	200-001-8	75 mg/kg
1,2-benzenedicarboxylic acid; di-C 6-8-branched alkylesters, C 7-rich 邻苯二甲酸二(C6-8 支链)烷基酯, 富 C7(DIHP)	607-483-00-2	71888-89-6	276-158-1	1 000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)

REACH法规限制物质清单

Substances 物质	Index- No	CAS No	EC No	Concentration limit by weight 限值 (以质量计)
				1 000 mg/kg (单项或与本条款中或附件 17 中其他邻苯的总和, 按照 (EC) No 1272/2008 附件 6 第三部分 分类为致癌, 致生殖细胞突变或生殖毒性物质的 1A 及 1B 类物质的邻苯)
Bis(2-methoxyethyl) phthalate 邻苯二甲酸双 (2-甲氧基乙基) 酯	607-228-00-5	117-82-8	204-212-6	1 000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B 1 000 mg/kg (单项或与本条款中或附件 17 中其他邻苯的总和, 按照 (EC) No 1272/2008 附件 6 第三部分 分类为致癌, 致生殖细胞突变或生殖毒性物质的 1A 及 1B 类物质的邻苯)
Diisopentylphthalate 邻苯二甲酸二异戊酯 (DIPP)	607-426-00-1	605-50-5	210-088-4	1 000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B 1 000 mg/kg (单项或与本条款中或附件 17 中其他邻苯的总和, 按照 (EC) No 1272/2008 附件 6 第三部分 分类为致癌, 致生殖细胞突变或生殖毒性物质的 1A 及 1B 类物质的邻苯)
Di-n-pentyl phthalate (DPP) 邻苯二甲酸二正戊酯 (DPP)	607-426-00-1	131-18-0	205-017-9	1 000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)

REACH法规限制物质清单

Substances 物质	Index- No	CAS No	EC No	Concentration limit by weight 限值 (以质量计)
				1 000 mg/kg (单项或与本条款中或附件 17 中其他邻苯的总和, 按照 (EC) No 1272/2008 附件 6 第三部分 分类为致癌, 致生殖细胞突变或生殖毒性物质的 1A 及 1B 类物质的邻苯)
Di-n-hexyl phthalate (DnHP) 邻苯二甲酸二正己酯 (DnHP)	607-702-00-1	84-75-3	201-559-5	1 000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B 1 000 mg/kg (单项或与本条款中或附件 17 中其他邻苯的总和, 按照 (EC) No 1272/2008 附件 6 第三部分 分类为致癌, 致生殖细胞突变或生殖毒性物质的 1A 及 1B 类物质的邻苯)
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone (NMP) N-甲基-2-吡咯烷酮;1-甲基-2-吡咯烷酮 (NMP)	606-021-00-7	872-50-4	212-828-1	3 000 mg/kg
N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺 (DMAC)	616-011-00-4	127-19-5	204-826-4	3 000 mg/kg
N,N-dimethylformamide; dimethyl formamide (DMF) N,N-二甲基甲酰胺;二甲基甲酰胺 (DMF)	616-001-00-X	68-12-2	200-679-5	3 000 mg/kg
1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1 1,4,5,8-四氨基蒽醌; C.I. 分散蓝 1	611-032-00-5	2475-45-8	219-603-7	50 mg/kg
Benzenamine, 4,4'-(4-iminocyclohexa-2,5-dienylidene)methylene)dianiline hydrochloride; C.I. Basic Red 9	611-031-00-X	569-61-9	209-321-2	50 mg/kg

REACH法规限制物质清单

Substances 物质	Index- No	CAS No	EC No	Concentration limit by weight 限值 (以质量计)
苯胺, 4,4' - (4-亚氨基环己-2,5-二烯亚基亚甲基) 二苯胺盐酸盐; C.I. 基本红 9				
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride; C.I. Basic Violet 3 with $\geq 0,1$ % of Michler's ketone (EC no. 202-027-5) [4- [4,4'-双 (二甲氨基) 二苯亚甲基]环己-2,5-二烯-1-亚基]二甲氯化铵; C.I. 基本紫 3 含 $\geq 0,1\%$ 的米氏酮(EC no. 202-027-5)	612-205-00-8	548-62-9	208-953-6	50 mg/kg
4-chloro-o-toluidinium chloride 4-氯-邻甲苯胺氯化物	612-196-00-0	3165-93-3	221-627-8	30 mg/kg
2-Naphthylammoniumacetate 2-萘基乙酸铵	612-071-00-0	553-00-4	209-030-0	30 mg/kg
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate 4-甲氧基间苯二硫酸铵; 2,4-二氨基茴香醚硫酸盐	612-200-00-0	39156-41-7	254-323-9	30 mg/kg
2,4,5-trimethylaniline hydrochloride 2,4,5-三甲基苯胺盐酸盐	612-197-00-6	21436-97-5	—	30 mg/kg
Quinoline 喹啉	613-281-00-5	91-22-5	202-051-6	50 mg/kg